## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU. CAS AND MINING

FORM	3

**FEDERAL** 

6. SURFACE:

STATE OF UTAH FO

O 1

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL X REENTER DEEPEN DEEPEN

AMENDED REPORT	
(highlight changes)	L

5. MINERAL LEASE NO.

UTU-80557

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL	: OIL GAS X OTHER	SINGLE	ZONE X	MULTIPLE ZONE [	8. UNIT or CA AGREEMENT	NAME:	
2. NAME OF OPER	WESTPORT OIL AND O	SAS COMP.	ANY, L.	P.	9. WELL NAME and NUMBE North Bench F	ederal 33-33	
3. ADDRESS OF 0	0 Broadway - Suite 2800 Denver.	STATE ZI CO 80202-480	00	PHONE NUMBER (303) 573-5404	10. FIELD AND POOL, OR W	VILDCAT: Under make a	
	WELL (FOOTAGES) 52 la	702 X	39	649975	11. QTR/QTR, SECTION, TO MERIDIAN:	WNSHIP, RANGE,	
AT SURFACE:	1668' FSL, 1772' FEL 438	8746V	-110	688778	NWSE Sec. 33,	Γ 13 S. R 11 E.	
AT PROPOSED	PRODUCING ZONE: Same		110	608118	S.L.B.&M.	,,	
14. DISTANCE IN I	MILES AND DIRECTION FROM NEAREST TOWN OR F	OST OFFICE:			12. COUNTY:	13. STATE:	
	approximately 13.4 mile				Carbon	UTAH	
15. DISTANCE TO	NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBE	R OF ACRES IN	LEASE:	17. NUMBER OF ACRES ASSIG	NED TO THIS WELL:	
	1668'		1920	acres	160 acr	res	
	NEAREST WELL (DRILLING, COMPLETED, OR	19. PROPOS	SED DEPTH:		20. BOND DESCRIPTION:		
APPLIED FOR)	ON THIS LEASE (FEET) ~3000'		31	00'	CO1203 / Statewide Blan	ıket RLB005236	
	SHOW WHETHER DF, RT, GR, ETC.):	22. APPROX	KIMATE DATE V	VORK WILL START:	23. ESTIMATED DURATION:		
624	0' Ungraded Ground Level	U	pon APE	Approval	5 days drilling plus 9 day	s completion	
24.	PROPOSED	CASING AND	CEMENT	ING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	_	CEMENT TYPE, QUA	NTITY, YIELD, AND SLURRY WEIG	HT	
17.5"	13.375" J-55 48 ppf ST&C	0 - 80' ±	1	•	Chloride, 0.25#/sx cellophingh volume to raise cmt to	•	
12.25"	8.625", J-55, 24 ppf	0 - 310'	145 sx of	Prem Plus, 2% Calciu	ight volume to raise cmt to im Chloride, 0.25#/sx Poly igh volume to raise cmt to	E Flake, 15.6	
7.875"	5.5", N-80, 17 ppf	0 - TD	0.25#/sx I	Poly E Flake, 12.5 ppg	% Cal-Seal, 1% Calcium Chloride, og to 14.2 ppg, Yield = 1.97 cu ft /sx to to raise cmt to surface casing.		
		ATTACH	IMENTS				
25.		ATTAOL					
VERIFY THE FOLLO	OWING ARE ATTACHED IN ACCORDANCE WITH THE	UTAH OIL AND GAS	CONSERVATIO	N GENERAL RULES:			
X WELL PLAT	OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINE	ER	X	COMPLETE DRILLING PLAN			
EVIDENCE O	F DMISION OF WATER RIGHTS APPROVAL FOR USE OF V	VATER		FORM 5, IF OPERATOR IS PER	SON OR COMPANY OTHER THAN TH	E LEASE OWNER	
NAME (PLEASE PR	Debby J. Black 30	03-575-0113	T/TL	<sub>E</sub> Staff	Engineering Analys	t	
SIGNATURE	Debly J. Black		DAT	-	May 13, 2005		
(This space for State	e use only)						

API NUMBER ASSIGNED:

43-007-31043

APPROVAL:

(11/2001)

Federal Approval of this

Approved by the Utah Division of Oil, Gas and Mining

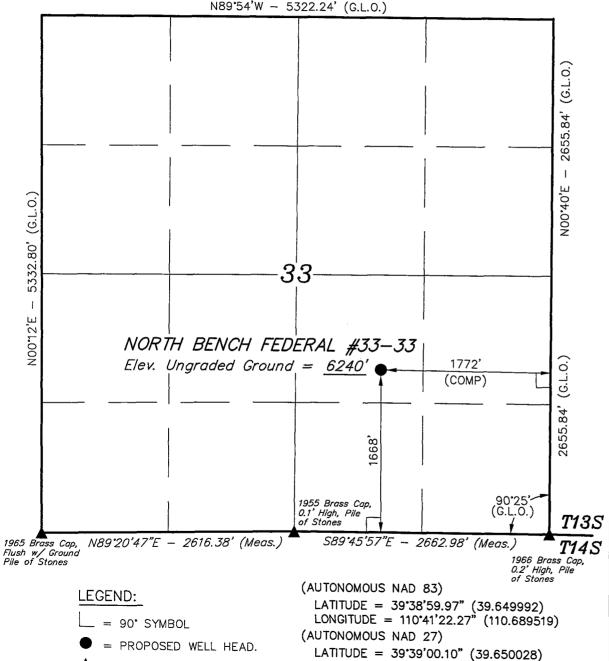
Date: 05-19-95)

**RECEIVED** 

MAY 1 / 2005

TIV OF OIL, GAS & MINING

### T13S, R11E, S.L.B.&M.



= SECTION CORNERS LOCATED.

LONGITUDE = 110'41'19.71" (110.688808)

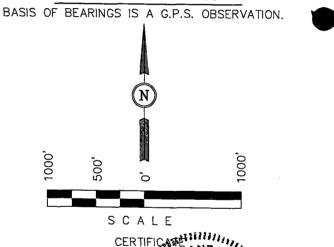
### WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NORTH BENCH FEDERAL #33-33, located as shown in the NW 1/4 SE 1/4 of Section 33, T13S, R11E, S.L.B.&M. Carbon County, Utah.

#### BASIS OF ELEVATION

SPOT ELEVATION LOCATED ON A JEEP TRAIL IN THE NW 1/4 OF SECTION 32, T13S, R11E, S.L.B.&M. TAKEN FROM THE DEADMAN CANYON QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6460 FEET.

#### BASIS OF BEARINGS



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PARP ARED FROM FIELD NOTES OF ACTUAL SURFEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BE IF HE TO THE SAME AND THE INTERIOR OF THE SAME AND THE PROPERTY OF MY KNOWLEDGE AND THE INTERIOR OF THE SAME AND THE PROPERTY OF MY KNOWLEDGE AND THE INTERIOR OF THE SAME AND THE PROPERTY OF THE PROP

REGISTERED LAND SURVEYOR REDISTRICTION NO. 1856

#### UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: DATE DRAWN: 9-20-04 10-6-04
PARTY B.B. T.H. E.C.O.	REFERENCES G.L.O. PLAT
WEATHER	FILE
WARM	WESTPORT OIL AND GAS COMPANY, I.P.

#### MASTER DRILLING PROGRAM

Well Helper Field - Ferron Formation Program
Cardinal Draw Prospect

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MAY 1 9 2005

DIV. OF OIL, GAS & MINING

Sections 16, 22 and 33: Township 13 South – Range 11 East Sections 4, 5, 7 and 8: Township 14 South – Range 11 East Carbon County, Utah

Operator: Westport Oil and Gas Company, L. P.

#### INTRODUCTION

WESTPORT OIL AND GAS COMPANY, L. P., (Westport) proposes an expansion of our Cardinal Draw Ferron Formation Prospect in the Well Helper Field located within Carbon County, Utah. This development phase (Project) consists of fifteen (15) proposed locations. Seven (7) wells are located in Sections 16, 22 and 33 Township 13 South – Range 11 East and eight (8) wells are located in Sections 4, 5, 7 and 8 Township 14 South – Range 11 East. All fifteen (15) wells will be drilled through the Ferron formation. The Project area wells are approximately 9 to 17 miles from Price, Utah and will be accessed by existing improved roads. Note: all roads that are to be improved will have water dispersal controls at all changes of slope.

#### **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS**

The tables summarizing information for each of the fifteen (15) wells in the Project are included in this document. In general, the ground elevations range from 5816 feet above mean sea level (MSL) to 6407 feet MSL graded at stake. The top of the Ferron member of the Mesa Verde Formation lies approximately 1656 feet to 4126 feet below ground surface (BGS) and is 300 - 400 feet thick. This results in total approximate depths of 2060 feet to 4721 feet BGS, for the producing wells.

WELL NAME AND NUMBER	LOCATION	TD	GR
North Bench State 42-16	SENE Sec. 16: T 13 S - R 11 E, 1968' FNL, 110' FEL	4721'	6390'
North Bench State 44-16	SESE Sec. 16: T 13 S – R 11 E, 296' FSL, 507' FEL	4508'	6407'
North Bench Federal 24-22	SESW Sec. 22: T 13 S – R 11 E, 1280' FSL, 1397' FWL	3810'	6132'
North Bench Federal 22-33	SENW Sec. 33: T 13 S – R 11 E, 1720' FWL, 1539' FNL	3350'	6330'
North Bench Federal 24-33	SESW Sec. 33: T 13 S – R 11 E, 2279' FWL, 1261' FSL	2800'	5979'
North Bench Federal 31-33	NWNE Sec. 33: T 13 S – R 11 E, 898' FNL, 1593' FEL	3350'	6304'
North Bench Federal 33-33	NWSE Sec. 33: T 13 S – R 11 E, 1772' FEL, 1668' FSL	3100'	6240'
Wellington Federal 13-04	NWSW Sec. 4: T 14 S – R 11 E, 1220' FWL, 1472' FSL	2300'	5854'
Wellington Federal 22-04 Ferron	SENW Sec. 4: T 14 S – R 11 E, 1350' FWL, 2061' FNL	2450'	5882'
Wellington Federal 32-04	SWNE Sec. 4: T 14 S – R 11 E, 1531' FEL, 1520' FNL	2500'	5871'
Wellington Federal 33-04	NWSE Sec. 4: T 14 S – R 11 E, 1383' FEL, 2061' FNL	2270'	5816'
Wellington Federal 33-05	NWSE Sec. 5: T 14 S – R 11 E, 1860' FSL, 2000' FEL	2650'	6192'
Wellington Federal 33-07	NWSE Sec. 7: T 14 S – R 11 E, 1812' FEL, 2135' FSL	2060'	5976'
Wellington Federal 11-08	NWNW Sec. 8: T 14 S – R 11 E, 1250' FWL, 1320' FNL	2300'	6073'
Wellington Federal 13-08	NWSW, Sec. 8: T 14 S – R 11 E, 900' FWL, 2050' FSL	2100'	6019'

WELL NAME AND NUMBER	FORMATION	ТОР	BOTTOM
North Bench State 42-16	FERRON	4126'	4571'
North Bench State 44-16	FERRON	3958'	4358'
North Bench Federal 24-22	FERRON	3368'	3660'
North Bench Federal 22-33	FERRON	2960'	3190'
North Bench Federal 24-33	FERRON	2384'	2619'
North Bench Federal 31-33	FERRON	2974'	3189'
North Bench Federal 33-33	FERRON	2715'	2925'
Wellington Federal 13-04	FERRON	1914'	2154'
Wellington Federal 22-04 Ferron	FERRON	2072'	2312'
Wellington Federal 32-04	FERRON	2131'	2341'
Wellington Federal 33-04	FERRON	1901'	2111'
Wellington Federal 33-05	FERRON	2150'	2430'
Wellington Federal 33-07	FERRON	1656'	1916'
Wellington Federal 11-08	FERRON	1983'	2133'
Wellington Federal 13-08	FERRON	1699'	1959'

#### LOCATIONS AND ROAD ACCESS

Location and roads will be built to Bureau of Land Management's standards and specifications.

- 1. Construction Materials: A list of sources of construction materials, such as sand, gravel or soil, will be submitted along with a description of the intended use of each material.
  - a) Surfacing materials such as scoria or gravel will be purchased from a commercial site in the immediate area.
  - b) No construction materials will be taken from Federal or Indian lands without prior approval from the appropriate Surface Management Agency.
  - c) If production is established, any construction materials required for surfacing of the access road and/or installation of production facilities will be purchased from a commercial site in the immediate area.
  - d) The gas and water pipeline bedding material will be obtained by screening spoil materials. No commercial products will be required.
  - e) No new access road for transportation of these materials will be required.
  - f) Water for road construction purposes will be acquired from the local municipal water supply and transported to location by truck. No new access road is required for water transport.
  - g) No other construction material will be required for this project.

#### PRESSURE CONTROL EQUIPMENT

Notification will be reported to the proper state and/or federal authorities 24 hours prior to initial BOP test.

Blowout Preventer Hook Up

After initial WOC time has expired, a slip on and weld 11" x 8-5/8" 3000 psi casing head will be installed. The wellhead weld will be tested to 2000 psi with hydraulic oil. BOP equipment will consist of an 11" 3000 psi, double ram preventer with blind and pipe rams as well as a rotating head. A hydraulically controlled valve

will be installed between the BOP spool and choke manifold with controls on the rig floor. The spool will be located between the casing head and BOP's.

The pipe rams, blind rams and choke manifold will be tested to 3000 psi (high pressure test) and 250 psi (low pressure test). The test will be performed with a test plug in the casing head and the casing head valve below the test plug open. The surface casing will be tested to 70% of the internal yield strength (0.70 x 2950 psi = 2065 psi); refer to BLM Onshore Order # 2, section III A – Well Control Requirements for a complete discussion of BOP, BOPE and Surface Casing testing requirements. The test results will be recorded and notated on daily drilling reports to Westport Oil and Gas Company, L. P.

The pipe rams will be operationally checked each 24 hours. Blind rams will be function tested each time pipe is pulled out of the hole, but not more than once every 24 hours. A BOP pit drill shall be conducted weekly for each drilling crew. All BOP function tests and pit drills shall be properly noticed in the IADC tour sheets as they are performed. Studs on all wellhead flanges will be checked for tightness each week. A drill stem safety valve will be set in the open position and be readily available on the rig floor at all times. Pipe and blind rams will be tested to 3000 psi high / 250 psi low at least once every 30 days to meet requirements.

Trips required after pressure anomalous zones are penetrated should be made at minimum rate to prevent hole swabbing or pressure surges. Note: Keep hole full at all times.

Westport requests that they be allowed to employ the following safety measures and well control equipment on its Ferron producing wells.

- 1. Prepare location for drilling rig. Drill rat hole and mouse hole.
- 2. Drill a 17-1/2" hole to approx. 40'+. Run 13-3/8" plain end pipe as conductor pipe and set.
- 3. Nipple up diverter to conductor pipe.
- 4. Drill an 12-1/4" hole to 10% of the total depth of each well.
- 5. Run 8-5/8" surface casing and cement as specified in the casing and cementing sections of this Master Drilling Plan. Thread lock guide shoe, float collar and bottom two joints of casing. Run two joints of casing between the float shoe and the float collar.
- 6. Waiting on cement time shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out. Provide 24 hours prior notice to the proper authorities for BOP test.
- 7. Cut off casing, weld on head and nipple up BOP. Pressure test BOP and BOPE to 3000 psi and 250 psi for 15 minutes. Test BOP and BOPE with a test plug.
- 8. After BOP test, test the surface casing to 70% of burst. Test pressure =  $0.70 \times 2950 \text{ psi} = 2065 \text{ psi}$ .
- 9. Drill a 7-7/8" hole to the total depth with conventional rotary techniques using insert bits and an air/mud system.
- 10. Run single point directional survey with every bit trip.
- 11. Run open hole logs as specified in the logging section.
- 12. Pending log evaluation, run sidewall cores or prepare to run 5-1/2" casing and cement in full tension as specified in the casing and cementing section of this Master Drilling Plan.
- 13. Clean the location and release the drilling rig.

By allowance of the above measures for well control it is Westport's opinion that all operations will be conducted safely.

Attached is a schematic of the BOP Equipment and Choke Manifold.

#### LOCATION AND TYPE OF WATER SUPPLY

All water needed for drilling purposes will be obtained from the Price River municipal water source. Since these wells will be primarily drilled with air, minimal water is needed. The lined pits will be pumped out and water will be disposed of at Westport's facility or at an approved disposal facility.

#### **MUD PROGRAM**

The reserve pit will be lined with a 9-mil liner.

Drilling fluid will be air and/or mud. It will be kept in optimum condition at all times. The mud company's representative will also be readily available if any problems are encountered. It is planned for the representative to be on location prior to and during any logging or casing running operations as well as during the conversion from fresh water to a gel system.

The well will be spud with water. Gel and lime will be mixed as needed to clean the hole prior to running surface casing. Surface casing will be set at 10% of the total depth of the well.

Interval	Туре	Weight	Viscosity, sec	Fluid loss
Surface - 10% of TD	Gel/Lime	8.4 – 8.6	26 - 38	No Control
Surface - TD	Air/Mud			

#### Note:

- 1. The mud engineer's daily mud report will include accurate cost estimates and inventory listings.
- 2. Copies of daily mud reports will be given to drilling foreman and left in doghouse.
- 3. Morning reports must contain current mud properties requiring the mud engineer to make mud checks before 6:00 a.m.
- 4. Sweep the hole as frequently as the hole dictates.

#### PROPOSED LOGGING PROGRAM

LOGGING TOOL	TOP logged interval	BOTTOM logged internal
Induction/GR/SP	Base of surface casing	Total Depth
CNL-FDC (High Resolution)	For 2000' or to base of surface casing	Total Depth

Electric logs will be acquired when total depth is reached. Short trips prior to logging will be at the discretion of the drilling foreman on location. Viscosity of the mud will be raised to 45 - 50 sec/qt prior to pulling pipe for logs.

The logging contractor will be notified 24 hours in advance.

Notes.

- 1. Under no condition will the logging tools be stopped in hole.
- 2. Caliper and measure all tools run in hole.

#### **Drilling Samples**

Collect samples as follows: 30' samples from 0 to 2000', 10' samples from 2000' to TD. Project Senior Geologist: Mark Lehrer may be reached at the following telephone numbers:

Denver Office Direct Line: 303 575-0166

Cellular: 303 548-6961 Home: 303 680-1553

#### **Mud Logging Unit**

None.

#### **Hole Deviation Surveys**

Surface hole deviation is not to exceed 5 degrees. Surveys are to be taken at 230', base of surface casing and more often if deviation is indicated. Below surface casing, deviation will not exceed 7 degrees to total depth projected. Below surface, angle changes between surveys will be limited to 1° per survey at 500' intervals.

#### **Drilling Time**

Electronic drilling time recorder (Pason or equivalent) is to be used. **Note:** Down time, lost circulation and deviation surveys along with mud pump pressure, mud checks, weight on bit, and rotary rpm are to be recorded at the respective depths. The digital files are to be sent to Westport's Denver office at the end of the hole.

#### **Surface Hole**

- 1. Drill an 12-1/4" hole to 10% of well's total depth.
- 2. Circulate and sweep hole as necessary to clean hole.
- 3. Surface casing will be new 8-5/8" OD.
- 4. Thread lock the first two joints of pipe and float equipment. Increase torque values by 10 percent when using thread lock. Run casing and install centralizers.

#### **Surface Casing Selection**

Interval	Size	Weight	Grade	Thread	Collapse	Burst
0- 10% TD	8-5/8"	24	J-55	ST & C	1370	2950

#### Design & Safety Factors

Weight	Grade	Thread	Depth	Length	Collapse	Burst	Tensile
24	J-55	ST & C	10% of TD	10% of TD	10+	20+	40+

Notes: All collapse factors account for axial loading.

#### **Cementing Surface Casing**

- 1. Circulate up one casing volume.
- 2. Work pipe.
- 3. Pump 10 bbls. water ahead and test lines to 3,000 psi.
- 4. Mix and pump cement as per program.
- 5. Release top plug.
- 6. Reciprocate pipe while cementing and set on bottom as cement rounds the shoe.
- 7. Bump plug to 750 psi over final lifting pressure. However, do not exceed 2065 psi (70% of internal yield strength). Hold for 1 minute or more and check for flow back. Hold pressure if the float fails.
- 8. Do not over displace.
- 9. WOC 8 hours. WOC time will be 8 hours before beginning to nipple up or the minimum amount of time to achieve 500 psi compressive strength based on lab results.
- 10. Nipple up 11 inch x 3,000 psi BOP.

#### **Cement Design**

Vendor: Halliburton	Surface Cement
Volume	10% of Total Depth to Surface, estimated 200 sks.
Yield	1.18 cu ft / sack
Mix Water	5.20 gallons / sack
Weight	15.6 ppg
Content	Premium Plus Cement, 2% Calcium Chloride, 0.25#/sk Poly E Flake

#### Important:

- 1. Cement and water to be used must be checked in the lab for properties before mixing.
  - a) After WOC time has expired and the BOP is installed; if the cement on the outside of the surface casing is not to ground level, top off with either a hot API premium cement or ready mix. Do not use gravel.

Cement volumes are based on raising cement to base of surface with 30% excess.

#### PRODUCTION CASING AND CEMENT PROGRAM

After reaching total depth and logging the well, Westport's representative will give orders to plug and abandon the well, run side wall cores or run 5-1/2" production casing. If production casing is to be run, new 5-1/2" casing will be run to bottom with appropriate equipment.

The casing will be delivered to location immediately upon the decision to run. It will be racked according to design and each joint numbered and tallied. The drilling foreman will be responsible for accuracy in the racking and tallying process. Each joint will be drifted using API drift. Any joints not drifting properly will be replaced. All joints will be inspected for damaged threads and each thread cleaned prior to running.

5-1/2" Production Casing

Weight	Grade	Thread	Collapse	Burst	Body Yield	Joint Str.
17	N-80	LT&C	6280	7740	397,000	348,000

Notes: All collapse factors account for axial loading.

Run centralizers on the first 5 joints of casing. The shoe joint should have centralizers on a stop ring five (5) feet up from the shoe. Well site Engineer may revise.

After casing is run, circulate and work casing down until it is one foot off bottom. Circulate hole clean and cement as follows:

- 1. Rig up cementing company equipment, test lines to 3500 psig.
- 2. Circulate bottoms up.
- 3. Pump 10 bbls. of chemical wash or gelled water with flocele.
- 4. Mix and pump cement (enough cement to bring cement to surface).
- 5. Drop top plug.
- 6. Displace with water.
- 7. Bump plug to 750 psi over the final displacement pressure (do not exceed 3300 psi).
- 8. Hold pressure 1 minute or more.
- 9. Release pressure and check for flow back.
- 10. Shut in and hold pressure if the float equipment fails. Wait 8 hours or enough time to attain 500 psi compressive strength.
- 11. Pick up the BOP and set the casing slips.

Cement volumes will be determined when logs are obtained. The volume to be pumped will be based on log value plus 10%.

#### **Cement Specifications:**

**Production String Cement Design** 

Vendor: Halliburton	Lead	Tail		
Volume	Cement back to surface casing	Volume sufficient to cover Ferron		
Yield	1.97 cu ft / sack	1.60 cu ft / sack		
Mix water	9.78 gallons per sack	7.89 gallons per sack		
Weight	12.5 ppg	14.2 ppg		
Content	50/50 Prem/Poz, 8% Gel total, 10% Cal-Seal and 0.25#/sack Calcium Chloride, 0.25			
	Poly E Flake	Flake		

The cement for the production string will be calculated to cover the entire open hole section and up into the production casing-surface casing annulus plus 30% excess of calculated open hole volume or plus 10% excess of actual open hole volume based upon caliper logs. In all cases a cement bond log will be run to ascertain the top of cement or to determine that it is in fact up into the production casing-surface casing annulus and that all open hole zones are adequately isolated and protected.

This procedure for estimating cement volume has resulted in cement being circulated to surface on the production string for all of the previously drilled wells by Westport Oil and Gas Company, L. P., in this area. It is anticipated that the wells will experience the same results and have cement circulated to surface.

#### **Tubing Head**

- 1. Make a final cut on the 5-1/2" casing. Set slips casing in full tension.
- 2. Install tubing head and protective flange.

#### **Potential Water Zones**

Water may be encountered in any and all of the sandstones penetrated. Shallow freshwater sandstones will be protected by the installation of surface casing that will be cemented to surface. Surface casing will be set to approximately ten percent (10%) of the estimated total depth of the well, as set out in this Master Drilling Plan. The casing will be steel and will be cemented to surface.

Fresh water may be encountered in sandstones below the depth of the surface casing. If production casing is to be run, it will be run and cemented. The plan indicated that sufficient cement will be run to cover the entire open-hole section and up into the production casing-surface casing annulus plus excess. The proposal is for the calculated volume plus 30% excess. Actual volume will be determined after open-hole logs are run. The calculated annular volume, plus 10% excess will be utilized to bring cement into the production-surface casing annulus. After cementing operations are complete, prior to commencing completion operations, a cement bond log will be run. If adequate zonal isolation is not achieved by primary cementing, remedial cementing will be incorporated. The appropriate agency will be advised if remedial cementing is to be performed.

#### **Plugging and Abandoning**

If it is determined that the well is not commercial and is to be plugged and abandoned, then cement plugs will be placed in the open hole section and in the surface casing sufficient to provide adequate zonal isolation and protection. These cement plugs will be set as prescribed by the appropriate governmental agency.

#### **Hydrocarbon Bearing Zones**

Natural gas is expected to occur with the Ferron formation. Natural gas may be in either coals, sandstones, or fractured shale members of the Ferron formation. These zones will be protected as previously stated by the installation of production casing with cement covering and isolating them or by cement plugs in the event of a plug and abandonment.

Oil bearing zones or formations are not expected to be encountered at these locations.

No other known commercial minerals are expected to be encountered at these locations. Consequently, no other protective measures are contemplated.

#### Formations Encountered

The list of formations is as follows for each of the Ferron wells:

Formation Estimated Depths Description

Mancos Surface – Shale and sandstone interbedded

Bentonite Varies Bentonite marker bed

Ferron 1656' – 4126' Sandstone, coal, and shale interbedded

Tununk 1916' – 4571' – Total Depth Shale

#### SURFACE AND MINERAL OWNERSHIP:

Surface Owner: Bureau of Land Management, 125 South 600 West, Price, Utah 84501 (435) 636-3600, attention Mr. Don Stephens.

Mineral Owner: Bureau of Land Management, 82 East Dogwood, Suite M, Moab, Utah 84532 (435) 259-2100, attention Eric Jones.

#### **ABNORMAL CONDITIONS**

Below-normal pressures are anticipated in the surface and primary hole. The surface sands and the coal are potential zones of lost circulation. Potential for lost circulation will be alleviated by the use of compressed air as the drilling medium.

No hydrogen sulfide (H<sub>2</sub>S) has been encountered in or is known to exist in wells previously drilled to similar depths or to the target coal in the general Project area.

Maximum anticipated bottom hole pressure may be as high as 1979 psig (calculated at 0.433 psi/foot of hole). Maximum anticipated surface pressure may be as high as 1522 psig (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.10 psi/foot of hole).

#### PLANS FOR RESTORATION OF THE SURFACE

The top 6 inches of topsoil material will be removed from the location and stockpiled separately on: Adjacent undisturbed land in a windrow fashion.

Topsoil along the access road will be reserved in place adjacent to the road.

Immediately upon completion of drilling, all equipment that is not necessary for production will be removed.

The reserve pit and that portion of the location not needed for production will be reclaimed as soon as practical for natural growth.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be re-contoured to replicate the natural slope. Pipeline corridors will have trees and rocks dispersed to reduce and discourage public use.

The stockpile topsoil will be evenly distributed over the disturbed area.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The BLM's recommended seed mixture will be used.

The abandonment marker will be one of the following, as specified by the BLM:

- 1. at least four feet above ground level,
- 2. at restored ground level, or
- 3. below ground level.

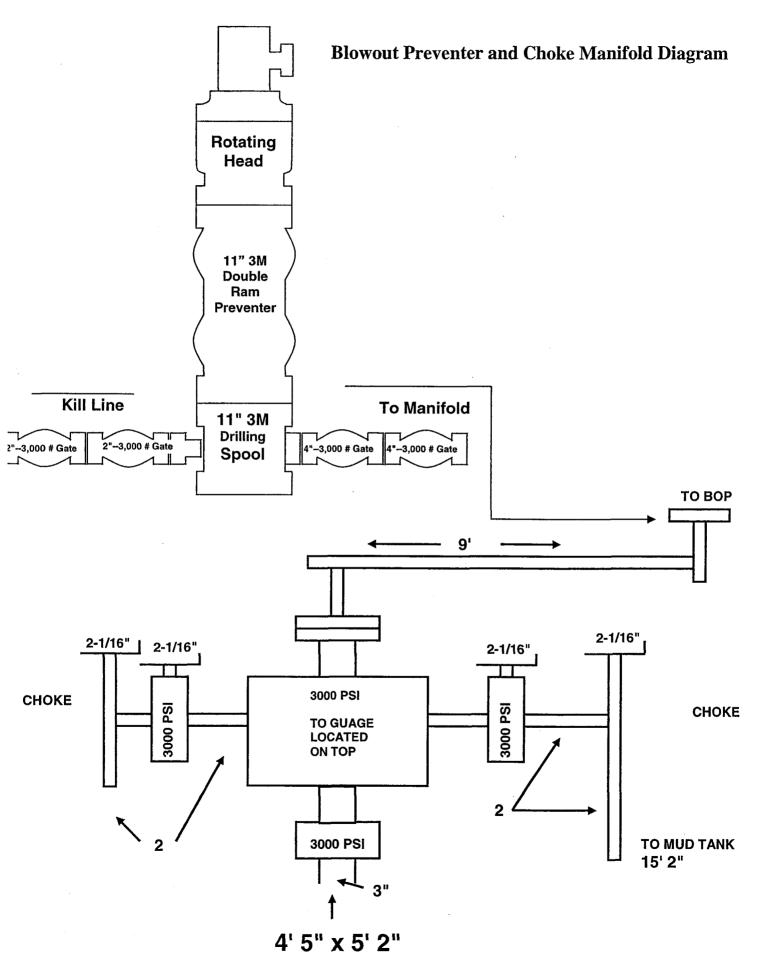
In any case the marker shall be inscribed with the following: operator's name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footage).

#### METHOD OF HANDLING WASTE DISPOSAL

- 1. Cuttings The drilled cuttings will be deposited in the reserve pit.
- 2. Drilling fluids A lined reserve pit will be constructed for drilling operations. Any salts and/or chemicals utilized in the mud system will be contained in the reserve pit. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed entirely in cut. The reserve pit will be lined with HDPE liner material.
- 3. Produced fluids Liquid hydrocarbons produced during completion operations will be placed in test tanks on location. Produced water will be placed in the reserve pit for a period not to exceed ninety (90) days after initial production.
- 4. Sewage Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. Sewage disposal will be in strict accordance with the Bureau of Land Management rules and regulations regarding sewage treatment and disposal.
- 5. Garbage and other waste material All garbage and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the accumulated trash will be hauled off-site to the local Price Municipal landfill. No trash will be placed in the reserve pit.
- 6. Immediately after removal of the drilling/completion rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No potentially adverse materials or substances will be left on the location. Any open pits will be fenced during the drilling operation and will be maintained until such time as the pits have been backfilled.

#### **Ancillary Facilities**

Each drilling and completion rig will have its own portable toilets. Once approved by the proper authorities the "yard" in the SESE of section 6 will be the only campsite within the Environmental Assessment boundary. A trash dumpster will be available at the yard site for use as a trash receptacle. The dumpster will be periodically transported and dumped at the local Price Municipal landfill.



#### **NORTH BENCH FEDERAL 33-33**

# Section 33: Township 13 South — Range 11 East, S.L.B.&M. NWSE, 1668' FSL, 1772' FEL Carbon County, Utah Ferron Formation Project

OPERATOR: Westport Oil and Gas Company, L. P.

#### **DRILLING PROGNOSIS:**

- 1. Prepare location for drilling rig. Drill rat hole and mouse hole.
- 2. Drill a 17-1/2" hole to approximately 80' ±. Run 13-3/8" plain end pipe as conductor pipe and set.
- 3. Nipple up diverter to conductor pipe.
- 4. Drill a 12-1/4" hole 10% of the total depth of well. Run an electronic multi shot after reaching surface-hole total depth.
- 5. Run 8-5/8" surface casing and cement as specified in the casing and cementing sections of this Master Drilling Plan. Thread lock guide shoe, float collar and bottom two joints of casing. Run two joints of casing between the float shoe and the float collar.
- 6. Waiting on cement time shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out. Provide 24 hours prior notice to BLM office for BOP test.
- 7. Cut off casing, weld on head and nipple up BOP. Pressure test BOP and BOPE to 3000 psi and 250 psi for 15 minutes. Test BOP and BOPE with a test plug.
- 8. After BOP test, test the surface casing to 70% of burst. Test pressure = 0.70 x 2950 psi = 2065 psi.
- 9. Drill stage collar, float shoe and 10' of new formation. Run shoe test to 10.5 ppg EMW.
- 10. Drill a 7-7/8" hole to approximately 150' below the base of the Ferron formation with conventional rotary techniques and insert bits and air/ mud system.
- 11. Run single point directional survey with every bit trip.
- 12. Run open hole logs as specified in the logging section of Master Drilling Program.
- 13. Pending log evaluation, run sidewall cores or prepare to run 5.5" casing and cement in full tension as specified in the casing and cementing section of the Master Drilling Program.
- 14. Clean the location and release the drilling rig.

#### CERTIFICATION STATEMENT

WELL NAME: NORTH BENCH FEDERAL 33-33

LEASE NO.: UTU80557

I hereby certify that I, or person under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with operations herein will be performed by *Grey Wolf, Inc. "Drilling"*, (completion rig has not been determined), and Nelco, Contractor Inc., "Construction Contractor" and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Name and Title

Reed Scott, Sr. Engineering Specialist

Dated this 13<sup>th</sup> day of May, 2005.

# WESTPORT OIL AND GAS COMPANY, L.P.

# NORTH BENCH FEDERAL #33-33 LOCATED IN CARBON COUNTY, UTAH

**SECTION 33, T13S, R11E, S.L.B.&M.** 

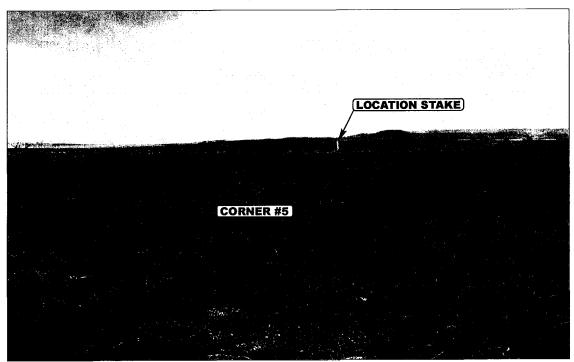


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: SOUTHEASTERLY** 

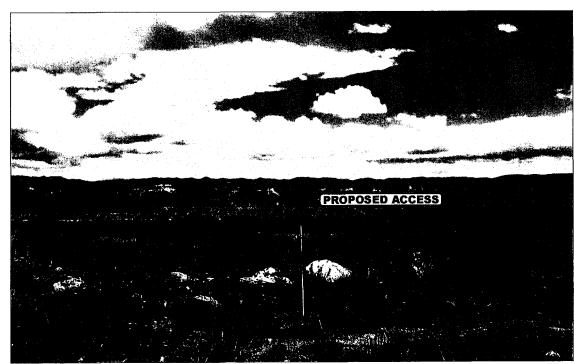


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: EASTERLY** 



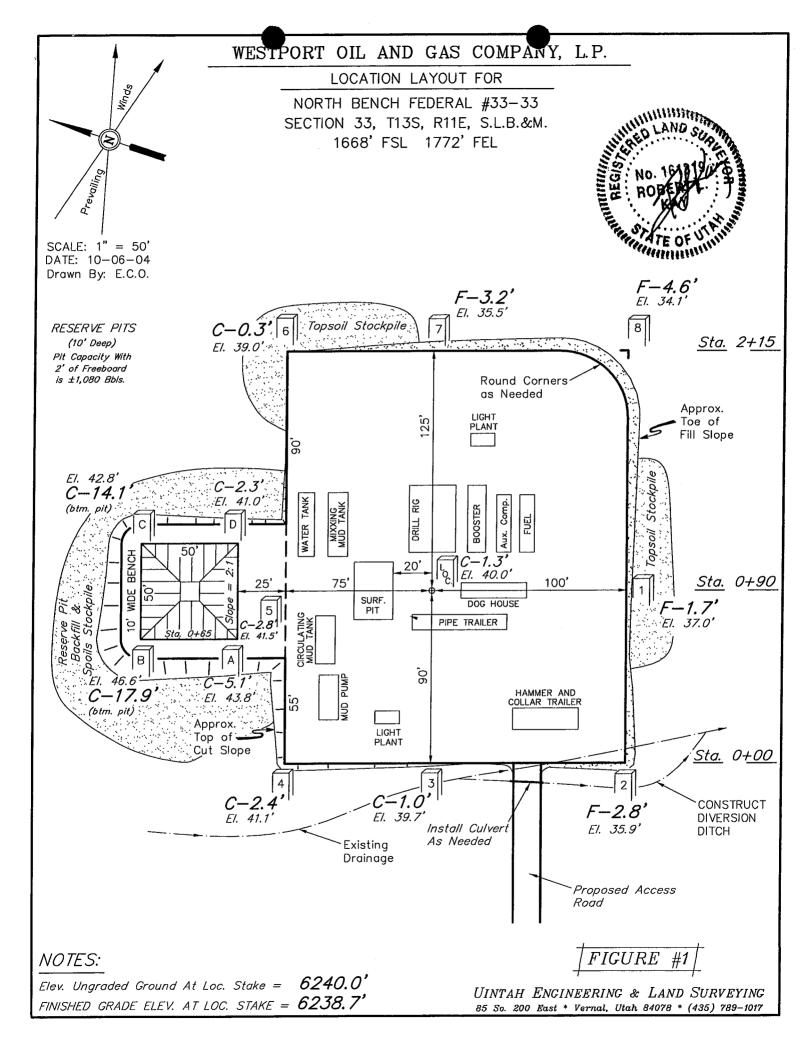
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

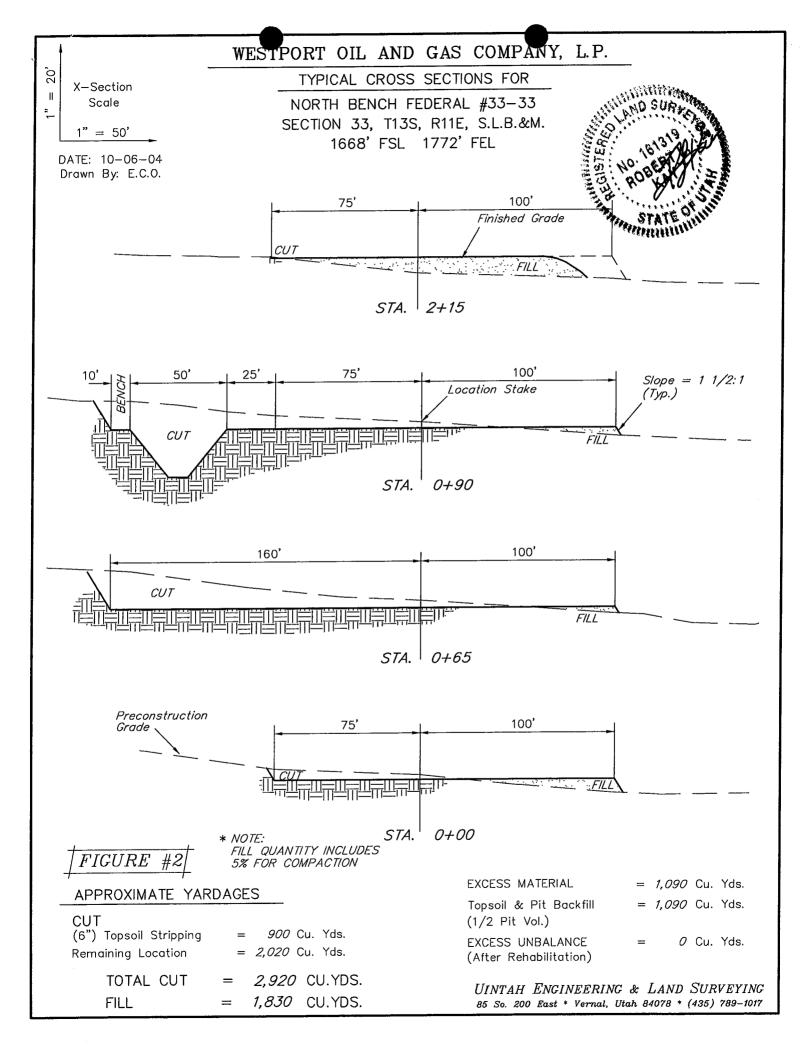
**LOCATION PHOTOS** 

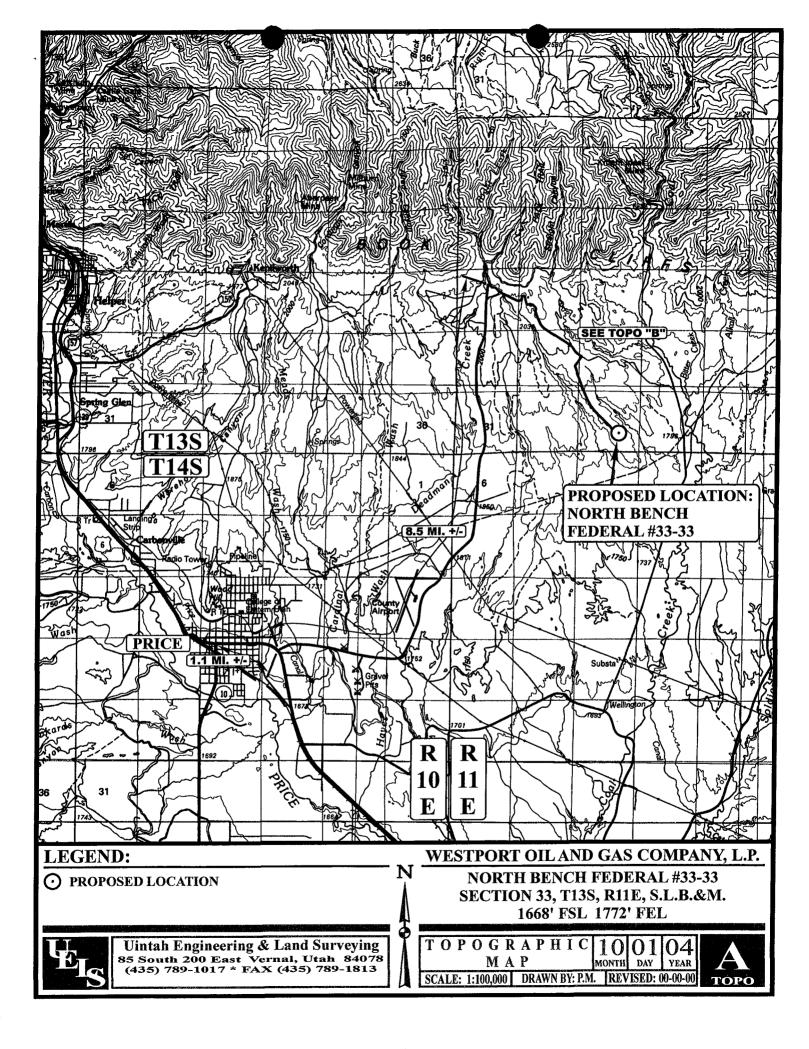
MONTH DAY

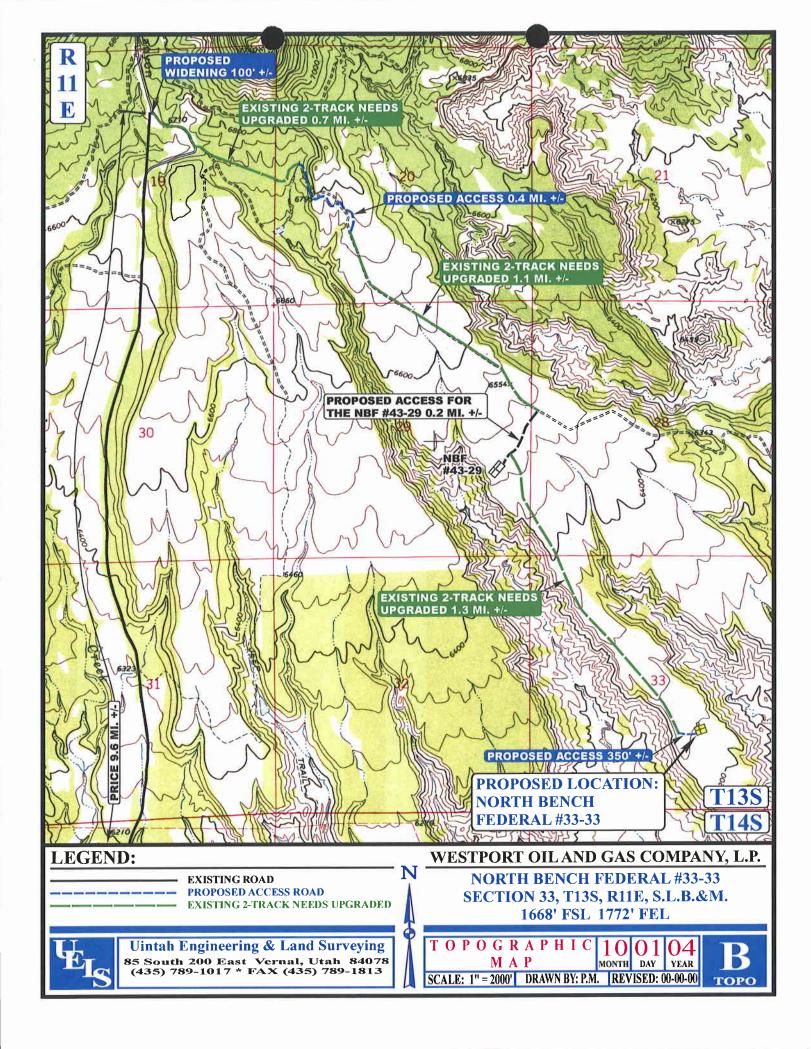
РНОТО

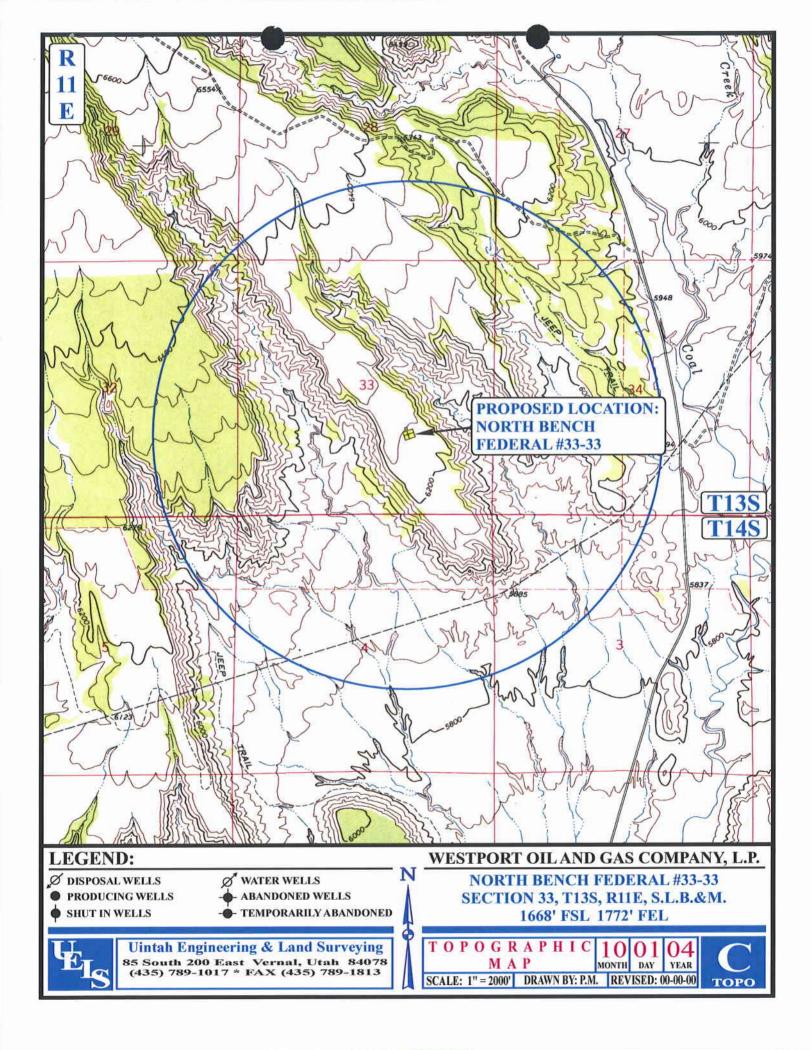
TAKEN BY: B.B. | DRAWN BY: P.M. | REVISED: 00-00-00

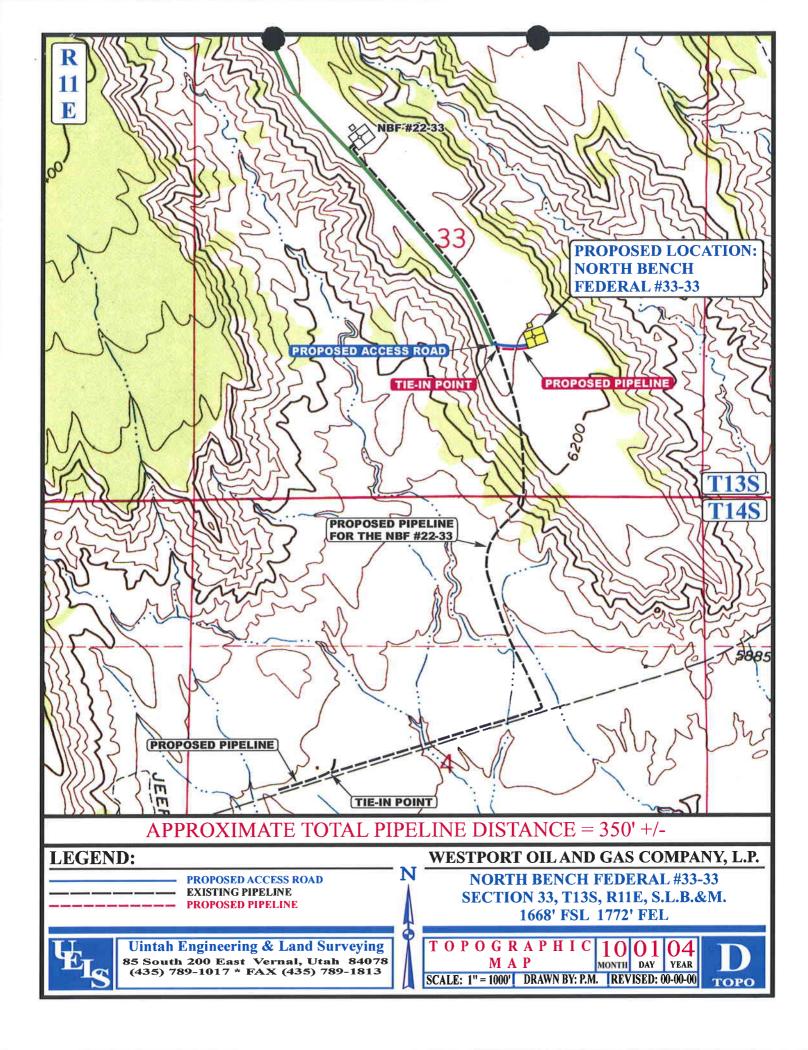


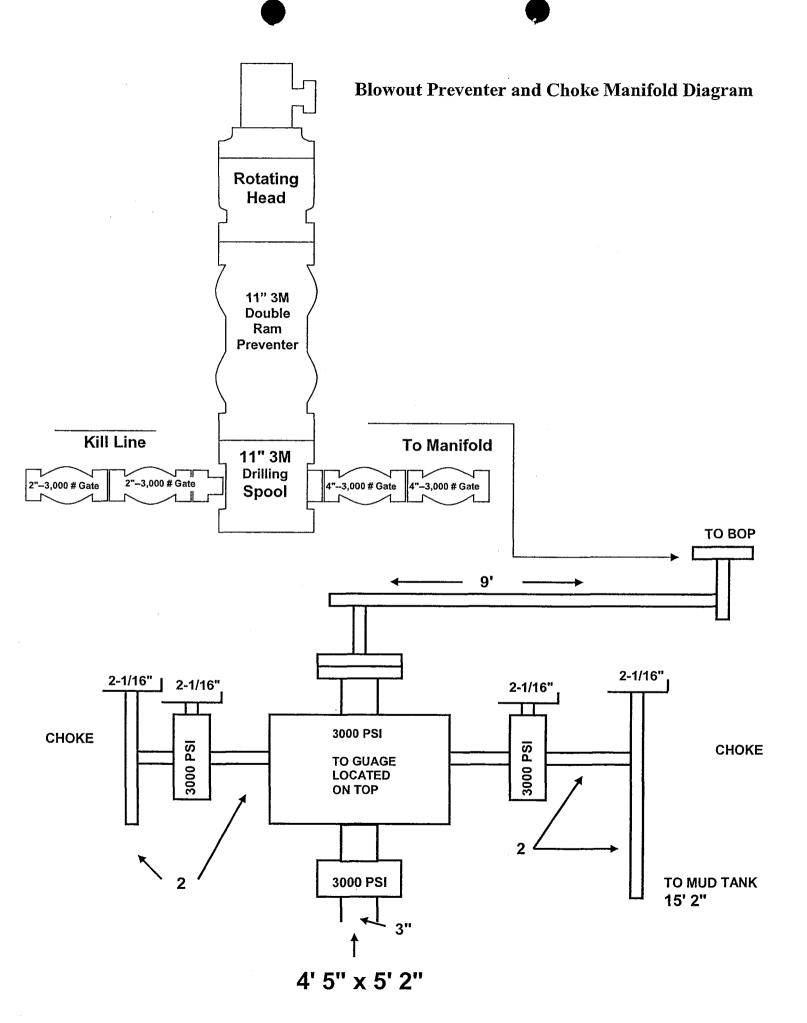






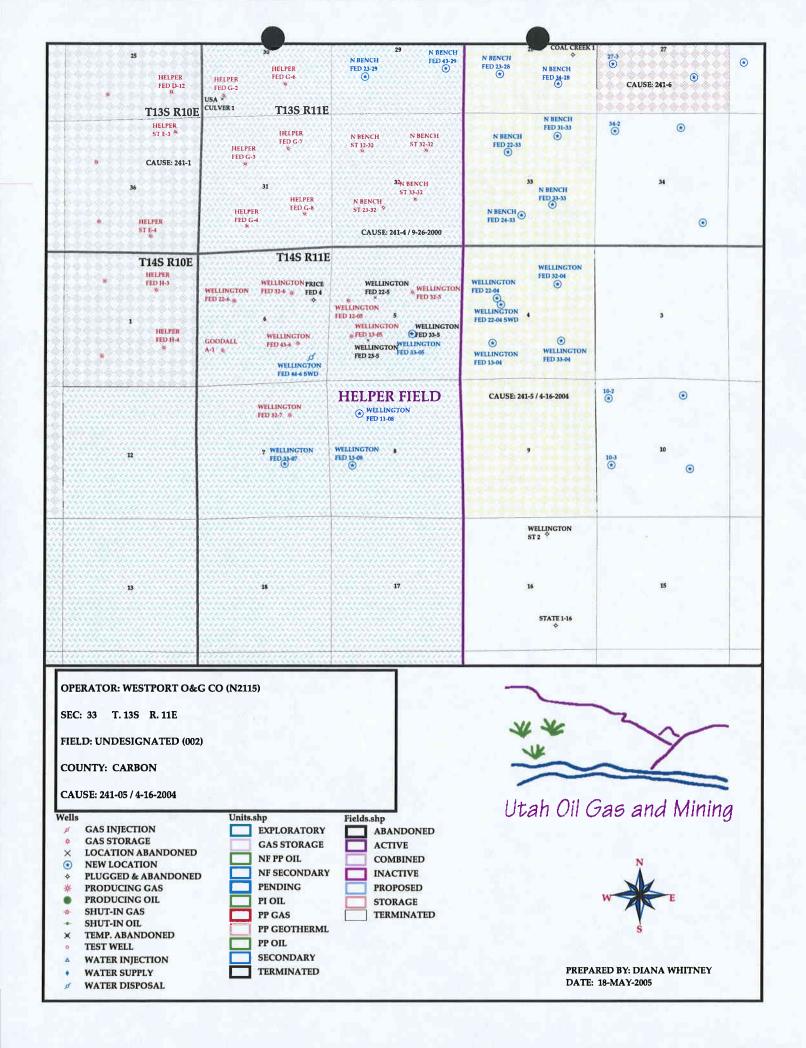






# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIV	ED: 05/17/2005	API NO. ASSIGNE	D: 43-007-3104	13	
OPERATOR: CONTACT:	N BENCH FED 33-33 WESTPORT OIL & GAS CO ( N2115 ) DEBBY BLACK	PHONE NUMBER: 30	3-575-0113		
PROPOSED LO		INSPECT LOCATN	BY: / /		
SURFACE	33 130S 110E : 1668 FSL 1772 FEL 1668 FSL 1772 FEL	Tech Review		Date	
CARBON		Engineering			
UNDESIG	NATED ( 2 )	Geology			
	: 1 - Federal	Surface			
LEASE NUMBER: UTU-80557  SURFACE OWNER: 1 - Federal  PROPOSED FORMATION: FRSD  COALBED METHANE WELL? NO		LATITUDE: 39.64998  LONGITUDE: -110.6888			
Description   Description			Between Wells  05  004  5920'fr Other w		
COMMENTS:					
STIPULATIO	ns:	dusa O approva C	)		





#### State of Utah

# Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

May 19, 2005

Westport Oil & Gas Company, LP 1670 Broadway, Suite 2800 Denver, CO 80202-4800

Re:

North Bench Federal 33-33 Well, 1668' FSL, 1772' FEL, NW SE, Sec. 33,

T. 13 South, R. 11 East, Carbon County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-31043.

Sincerely,

Gil Hunt

**Acting Associate Director** 

pab Enclosures

cc:

Carbon County Assessor

Bureau of Land Management, Moab District Office

Operator:	Westport Oil & Gas Company, LP				
Well Name & Number	Bench Federal 33-33				
API Number:	43-007-				
Lease:	UTU-80557				
Location: NW SE	Sec. 33	T. 13 South	<b>R.</b> 11 East		

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Form 3160-3 (August 1999)

# RECEIVED MOAB FIELD OFFICE

FORM APPROVED OMB NO. 1004-0136

Expires: November 30, 2000

#### **UNITED STATES**

#### DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

2005 MAY 16 P : 41 Lease Serial No.

TIPTI ONEET

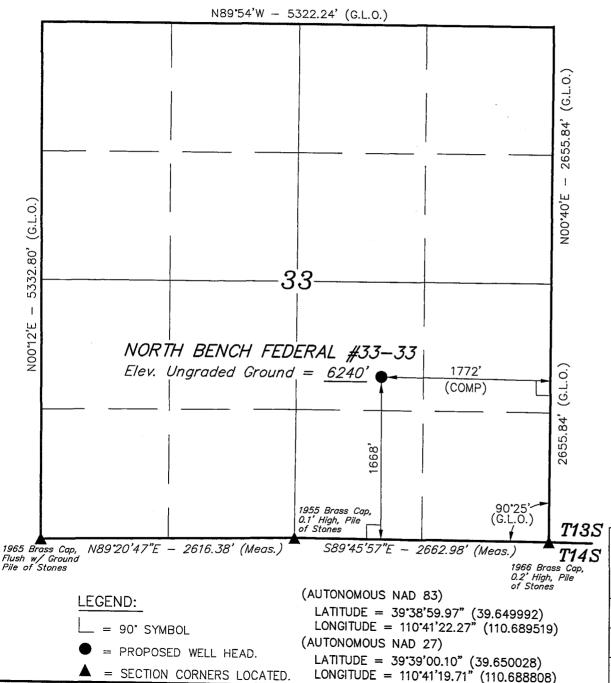
DUNDAU OF LAND MAN					J10-80337		
APPLICATION FOR PERMIT TO I	DRIL	L OR REENTER	THE INT	RIORndian, Allottee	or Tribe Name		
		LUREAU	OF LAND	MGMT			
				7. If Unit or CA Agre	eement, Name and No.		
1a. Type of Work X DRILL REEN	NTER						
		<del> </del>		8. Lease Name and W	Vell No.	-	
1b. Type of Well Oil Well Gas Well Other	X s	Single Zone Mu	ıltiple Zone	North Be	ench Federal 33-	.33	
2. Name of Operator				9. API Well No.			
Westport Oil and Gas Company, L. P.		-		43007	31043		
			10. Field and Pool, or l	0. Field and Pool, or Exploratory			
1670 Broadway - Suite 2800 - Denver, CO 80202-4800		303-573-540	)4	Well Helper Field - Ferron			
4. Location of well (Report location clearly and In accordance with an	ıy State			11. Sec., T., R., M., or Blk. And Survey or Area			
At surface NWSE 1668' FSL, 1772' FEL							
				Section 33: T 13 S - R 11 E, S.L.B.&M.			
At proposed prod. zone Same							
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOW	'N OR P	POST OFFICE*		12. County or Parish		13. State	
approximately 13.4 miles ESE f	from	Price, UT		Car	bon	UT	
15. Distance from proposed*	16. N	No. of Acres in lease	17. Spacing U	Unit dedicated to this well	li .		
location to nearest 1668'	1668'			160 acres			
property or lease line, ft.  (Also to nearest drlg unit line, if any)		1920 acres		100 2	icies		
18. Distance from proposed location*	19. F	Proposed Depth	20. BLM/BL	IA Bond No. on file  CO1203			
to nearest well, drilling, completed, ~3000'		3100'					
applied for, on this lease, ft.							
21. Elevations (Show whether DF. RT, GR, etc.)	22. A	Aproximate date work will s		23. Estimated D		•	
6240' Upo		Upon APD App	roval 5 days drilling plus 9 days complet		npletion		
24. Attachments							
The following, completed in accordance with the requirements of Onshore	e Oil and	d Gas Order No. 1 shall be	attached to this	s form:			
Well plat certified by a registered surveyor.		4. Bond to cover the op	erations unles	s covered by existing bor	nd on file(see		
2. A Drilling Plan.		item 20 above).		o covered by emoning box			
3. A Surface Use Plan ( if the location is on National Forest System Lan	nds, the	<ol><li>Operator certification</li></ol>					
SUPO shall be filed with the appropriate Forest Service Office).		<ol><li>Such other site speci authorized officer.</li></ol>	fic information	n and/ or plans as may be	required by the an		
25 0:	/D :	<u> </u>	<del></del>			<del></del>	
25. Signature Name	; (Printe	ed/ Typed)			Date		
Delely J. Black		Debby J. Black	x 303- <b>\$7</b> 5	POEIVED	May 13, 2	2005	
Title Staff Engineering Analyst		-	A	UG 2 2 2005			
Approved By (Signature) Name	: (Printe	ed/ Typed)	חווים -	FOIL, GAS & MININ	Bate	0005	
bi A. Lynn Jackson			DIV. O	( OIL, C/10 T	AUG 18	2005	
Title Assistant Field Manager fice	9	MA	<u></u>	/ ~~			
Division of Resources		Moab	Held	UTTICE			
Application approval does not warrant or certify that the applicant holds le	egal or e	equitable title to those rights	in the subject	lease which would entitle	e the applicant to condi	ıct	
operations thereon.  Conditions of approval, if any, are attached.							
Conditions of approval, if any, are attached.							

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* (Instructions on reverse)

### T13S, R11E, S.L.B.&M.



### WESTPORT OIL AND GAS COMPANY, L.P.

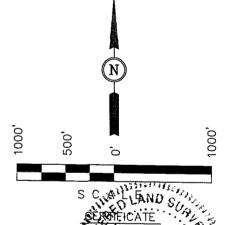
Well location, NORTH BENCH FEDERAL #33-33, located as shown in the NW 1/4 SE 1/4 of Section 33, T13S, R11E, S.L.B.&M. Carbon County, Utah.

#### BASIS OF ELEVATION

SPOT ELEVATION LOCATED ON A JEEP TRAIL IN THE NW 1/4 OF SECTION 32, T13S, R11E, S.L.B.&M. TAKEN FROM THE DEADMAN CANYON QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6460 FEET.

#### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PLANT WAS PREPARED FROM FIELD NOTES OF ACTUAL SERVEN MADE BY ME ORDINDER MY SUPERVISION AND THAT THE SAME TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLER WAS

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319

STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

(123)					
SCALE 1" = 1000'	DATE SURVEYED: DATE DRAWN: 9-20-04 10-6-04				
B.B. T.H. E.C.O.	REFERENCES G.L.O. PLAT				
WEATHER WARM	FILE WESTPORT OIL AND GAS COMPANY, L.P.				

Westport Oil and Gas Company, L.P. North Bench Federal 33-33 Lease U-80557 NW/SE Section 33, T13S, R11E Carbon County, Utah

A COMPLETE COPY OF THIS PERMIT SHALL BE KEPT ON LOCATION from the beginning of site construction through well completion, and shall be available to contractors to ensure compliance.

#### CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Westport Oil and Gas Company, L.P. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by CO1203 (Principal – Westport Oil and Gas Company, L.P.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors.

#### A. DRILLING PROGRAM

- 1. The proposed Bow-Out Prevention Equipment (BOPE) system is comprised of 3000 psi (3M) equipment in a 2M configuration. This is adequate for anticipated conditions. Testing of the BOPE to 2M standards is sufficient. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
- 2. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.
- 3. When drilling with air, the requirements of Onshore Oil and Gas Order No. 2, part III, E, Special Drilling Operations, shall apply. Among the requirements in this section are:
  - -Spark arresters
  - -Blooie line discharge 100 feet from wellbore
  - -Straight blooie line
  - -Deduster equipment
  - -Float valve above bit
  - -Automatic igniter on the blooie line

#### **Conditions of Approval:**

#### **SURFACE USE**

1. The following seed tables in the Standard Operating Practices shall be followed as conditions of approval:

**Table 1**, Seed Mixture for the Pinyon/Juniper; Pinyon/Juniper, Modified; Pinyon/Juniper-Badlands; Wyoming Big Sagebrush; and Burned Meadow Community Types

**Table 2**, Seed Mixture for the Wyoming Big Sagebrush—Saltbush Flats; and Badlands—Gullied Lands-Miscellaneous Community Types

2. The following wildlife stipulations in the Standard Operating Practices shall be followed as conditions of approval:

EMP 16 & 17, Winter Seasonal Restriction on Crucial & High Priority Winter Range

EMP 19, Critical Winter Range Browse Hand Planting

- 3. Within six months of installation, surface structures shall be painted in the following flat, earth tone color: Olive Black (5WA20-6). This Fuller O'Brien color is for reference only. Any brand of paint may be used provided the colors match. Any facilities that must be painted to comply with OSHA standards are exempt.
- 4. Complete a sensitive species survey for the Creutzfeldt-flower and the Book Cliffs blazing star across all areas proposed to be affected having the proper habitat characteristics. A report detailing the findings of the survey would be submitted to the BLM prior to site development and construction. Basic elements of the survey and report are as follows.
  - a. Observe Creutzfeldt-flower and Book Cliffs blazing star populations in type habitats during the flowering period (late April through June). Note the physical characteristics of the species and the habitat elements these species prefer. Complete a descriptive photographic log.
  - b. Identify the location of all habitats suitable for supporting these species on a project vegetation map. Both soil and vegetation site characteristics would be considered. Only those areas within the project area proposed for disturbance, along with suitable buffer, would be subject to a survey.
  - c. Complete a pedestrian survey (100 percent coverage) of each identified potential habitat.
  - d. Prepare and submit a report to the BLM detailing the survey methodology and the results of the survey. Any Creutzfeldt-flower of Book Cliffs blazing star

populations found during the survey would be located on a project map and photographed for descriptive purposes.

Should any populations of these species be found within proposed disturbed areas, consideration should be given to moving the proposed disturbance to avoid any impact to this species.

- 5. Mule deer on critical or high priority winter ranges shall be protected by seasonal restrictions on construction from December 1 through April 15 where federal permits are required.
- 6. Prior to any construction activities between February 1 and July 1 within 0.5 mile of golden eagle nest site, the nest should be checked to determine its activity status. If nest is occupied, construction should not occur within 0.5 mile of the nest during the nesting season (February 1 through August 1).
- 7. All new access roads should be gated and locked to prevent public access during the hunting and winter seasons to minimize the potential effects of increased human access during these periods if BLM deems necessary.
- 8. The company shall monitor Gas Well Spring on an annual basis unless it can be ascertained that the Ferron is not the source of the spring. If decrease in flow occurs, appropriate mitigation shall be undertaken. A field survey may indicate additional locations for monitoring.
- 9. The proposed action is within critical winter range and the surface disturbance associated with the project exceeds that which was analyzed and mitigated for the EIS. Since this surface disturbance has not been mitigated for in the EIS, the action is subject to the acre for acre mitigation for surface disturbance on critical winter range as provided for in the Price River Resource Management Framework Plan. The proponent shall complete a wildlife enhancement project designed to mitigate impacts on big game critical winter range at the rate of one acre of enhancement for each acre of disturbance. Acceptable projects may include vegetative manipulation designed to increase winter forage or other winter range habitat enhancements to improve big game distribution patterns. Projects shall be completed during the same calendar year as the surface disturbing activity taking place. All aspects of project design and implementation, NEPA compliance, project design and implementation shall be the responsibility of the proponent.
- 10. The company shall replace or repair the guzzler pipeline, if it is damaged during construction activities, located in Sec. 33 T13S, R11E.

#### **GENERAL CONSTRUCTION**

1. Operator shall contact the Price BLM Office at least forty-eight hours prior to the anticipated start of construction and/or any surface disturbing activities. The BLM may

require and schedule a preconstruction conference with the operator prior to the operator commencing construction and/or surface disturbing activities. The operator and the operator's contractor, or agents involved with construction and/or any surface disturbing activities associated with the project, shall attend this conference to review the Conditions of Approval and plan of development. The operator's inspector will be designated at the pre-drill conference, and is to be given an approved copy of all maps, permits and conditions of approval before the start of construction. The BLM will also designate a representative for the project at the preconstruction conference.

- 2. The operator shall designate a representative(s) who shall have the authority to act upon and to implement instructions from the BLM. The operator's representative shall be available for communication with the BLM within a reasonable time when construction or other surface disturbing activities are underway.
- 3. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the operator, or any person working on his behalf, on public land is to be immediately reported to the Price BLM Office. The operator will suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Price BLM Office. An evaluation of the discovery will be made by the BLM to determine appropriate actions to prevent the loss of significant cultural or scientific values. The operator is responsible for the cost of evaluation of any site found during construction. The BLM will determine what mitigation is necessary.
- 4. During project construction, surface disturbance and vehicle travel shall be limited to the approved location and access routes. Any additional area needed must be approved by the Price BLM Office prior to use.
- 5. The operator must provide a trash cage for the collection and containment of all trash. The trash shall be disposed in an authorized landfill. The location and access roads shall be kept litter free.
- 6. Vegetation removal necessitated by construction shall be confined to the limits of actual construction. Removed vegetation will be stockpiled for use in reclamation or removed from the construction site at the direction of the BLM.
- 7. During drilling and completion operations, erect derrick structures would be illuminated from dusk to dawn as a safety precaution to low flying aircraft.
- 8. Minimize road width cuts.
- 9. Minimize pumping unit height, when possible.
- 10. Minimize well pad size when possible.
- 11. Use feathering to soften linear lines to create more natural contours for well pads.

- 12. Use natural vegetation to screen out other undesirable views.
- 13. Revegetate disturbed soils promptly.
- 14. Blend soil disturbance into natural topography to achieve natural appearance, reduce erosion, and rehabilitate ground cover.
- 15. Prior to surface disturbance, topsoil is to be separately removed and segregated from other material. Topsoil depth will be decided onsite by BLM. If the topsoil is less than 6 inches, a 6-inch layer that includes the A horizon and the unconsolidated material immediately below the A horizon shall be removed and the mixture segregated and redistributed as the surface soil layer.

Generally topsoil shall be stored within the pad site or adjacent to access roads. The company in consultation with BLM shall determine stockpile locations and dimensions at the onsite. If the topsoil stockpiles will not be redistributed for a period in excess of one

(1) year, the stockpiles are to be seeded with seed mixture as described on Table 1 (attached).

#### **ROAD and PIPELINE CONSTRUCTION**

- 1. Operator shall provide an inspector under the direction of a registered professional engineer (PE) at all times during road construction. A PE shall certify (statement with PE stamp) that the road was constructed to the required Bureau of Land Management (BLM) road standards.
- 2. Road construction or routine maintenance activities are to be performed during periods when the soil can adequately support construction equipment. If such equipment creates ruts more than 6 inches deep, the soil is deemed too wet to adequately support construction equipment.
- 3. The operator is responsible for maintenance of all roads authorized through the lease or a right-of-way. Construction and maintenance shall comply with Class II or III Road Standards as described in BLM Manual Section 9113 and the Moab District Road Standards, except as modified by BLM. Maintenance may include but is not limited to grading, applying gravel, snow removal, ditch cleaning, and headcut restoration/prevention.
- 4. Topsoil from access roads and pipelines are to be wind rowed along the uphill side of the road or stored in an approved manner. When the road and pipeline is rehabilitated, this soil will then be used as a top coating for the seed bed.
- 5. Erosion-control structures such as water bars, diversion channels, and terraces will be

constructed to divert water and reduce soil erosion on the disturbed area. Road ditch turnouts shall be equipped with energy dissipators as needed to avoid erosion. Where roads interrupt overland sheet-flow and convert this runoff to channel flow, ditch turnouts shall be designed to reconvert channel flow to sheet flow. Rock energy dissipators and gravel dispersion fans may be used, or any other design which would accomplish the desired reconversion of flow regime. As necessary cut banks, road drainages, and road crossings shall be armored or otherwise engineered to prevent headcutting.

- 6. In the event construction can't be completed prior to winter closures, measures to prevent erosion from upcoming spring snowmelt should be taken s follows:
  - a. Loose earth and debris must be removed from drainages, and flood plains. Earth and debris should not be stockpiled on drainage banks.
  - b. Road drainages should be checked to ensure there are none with uncontrolled outlets.
  - c. Be sure all ditch drainages have an outlet to prevent ponding. If necessary, build temporary sediment ponds to capture runoff from unreclaimed areas. Re-route ditches as needed to avoid channeling water through loosened soil.

#### PAD CONSTRUCTION

- 1. During the construction of the drill pad, suitable topsoil material is to be stripped and conserved in a stockpile on the pad. If stockpiles are to remain for more than a year, they shall be seeded with the seed mixture in Table 1, attached.
- 2. Generally, drill pads are to be designed to prevent overland flow of water from entering or leaving the site. The pad is to be sloped to drain spills and water into the reserve pit. The drill pad shall be designed to disperse diverted overland flow and to regulate flow velocity so as to prevent or minimize erosion. Well pad diversion outlets shall be equipped with rock energy brakes and gravel-bedded dispersion fans.
- 3. BMPs for erosion control and hydrologic protection would be implemented during the construction, operation and reclamation of the project facilities. Drill pads and facility sites should be positioned, designed and constructed to prevent overland flow of water from entering or leaving the site. Stormwater collected on disturbed sites should be prevented from flowing off the site. Spills and leaks would be cleaned up to prevent pollution of surface or groundwater.

#### REHABILITATION PROCEDURES

#### Site Preparation

1. The entire roadbed should be obliterated and brought back to the approximate original contour. Drainage control is to be reestablished as necessary. All areas affected by road construction are to be recontoured to blend in with the existing topography. All berms

are to be removed unless determined to be beneficial by BLM. In recontouring the disturbed areas, care should be taken to not disturb additional vegetation.

### Seedbed Preparation

- 2. An adequate seedbed should be prepared for all sites to be seeded. Areas to be revegetated should be chiseled or disked to a depth of at least 12 inches unless restrained by bedrock.
- 3. Ripping of fill materials should be completed by a bulldozer equipped with single or a twin set of ripper shanks. Ripping should be done on 4-foot centers to a depth of 12 inches. The process should be repeated until the compacted area is loose and friable, and then shall be followed by final grading. Seedbed preparation will be considered complete when the soil surface is completely roughened and the number of rocks (if present) on the site is sufficient to cause the site to match the surrounding terrain.
- 4. After final grading, the stockpiled topsoil shall be spread evenly across the disturbed area.

### **Fertilization**

- 5. Commercial fertilizer with a formula of 16-16-8 is to be applied at a rate of 200 pounds per acre to the site. The rate may be adjusted depending on soil.
- 6. Fertilizer is to be applied not more than 48 hours before seeding, and shall be cultivated into the upper 3 inches of soil.
- 7. Fertilizer is to be broadcast over the soil using hand-operated "cyclone-type" seeders or rotary broadcast equipment attached to construction or revegetation machinery as appropriate to slope. All equipment should be equipped with a metering device. Fertilizer application is to take place before the final seeding preparation treatment. Fertilizer broadcasting operations should not be conducted when wind velocities would interfere with even distribution of the material.

### Mulching

8. When it is time to reclaim this location, the Price BLM Office will determine whether it will be necessary to use mulch in the reclamation process. The type of mulch should meet the following requirements: Wood cellulose fiber shall be natural or cooked, shall disperse readily in water, and shall be nontoxic. Mulch shall be thermally produced and air dried. The homogeneous slurry or mixture shall be capable of application with power spray equipment. A colored dye that is noninjurious to plant growth may be used when specified. Wood cellulose fiber is to be packaged in new, labeled containers. A minimum application of 1500 pounds per acre shall be applied. A suitable tackifier shall be applied with the mulch at a rate of 60 to 80 pounds per acre.

An alternative method of mulching on small sites would be the application of straw or hay mulch at a rate of 2000 pounds per acre. Hay or straw shall be certified weed free. Following the application of straw or hay, crimping shall occur to ensure retention.

### Reseeding

- 9. All disturbed areas are to be seeded with the seed mixture required by the BLM. The seed mixture(s) shall be planted in the fall of the year (Sept-Nov), in the amounts specified in pounds of pure live seed (PLS)/acre. There shall be no noxious weed seed in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within 12 months prior to planting. Commercial seed will be either certified or registered seed. The seed mixture container shall be tagged in accordance with State law(s) and available for inspection by the BLM. Seed is to be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture shall be evenly and uniformly planted over the disturbed area. (Smaller/heavier seeds tend to drop to the bottom of the drill and are planted first. Appropriate measures should be taken to ensure this does not occur.) Where drilling is not possible, seed is to be broadcast and the area raked or chained to cover the seed. Woody species with seeds that are too large for the drill will be broadcast. When broadcasting the seed, the pounds per acre noted below are to be increased by 50 percent. Reseeding may be required if a satisfactory stand is not established to the surface rights owner's specifications. Evaluation of the seeding's success will not be made before completion of the second growing season after the vegetation becomes established. The Price BLM Office is to be notified a minimum of seven days before seeding a project.
- 10. The disturbed areas for the road and pipeline must be seeded in the fall of the year, immediately after the topsoil is replaced. The prescribed seed mixture to be used, depending upon vegetation type disturbed, is depicted in the attached Table 1 and Table 2.

### General

11. Prior to the use of insecticides, herbicides, fungicides, rodenticides and other similar substances, the operator must obtain from BLM, approval of a written plan. The plan must describe the type and quantity of material to be used, the pest to be controlled, the method of application, the location for storage and disposal of containers, and other information that BLM may require. A pesticide may be used only in accordance with its registered uses and within other agency limitations. Pesticides must not be permanently stored on public lands.

## EMP 16&17: Winter Seasonal Restriction (December 1 to April 15) on Crucial and High Priority Winter Range

<u>Restrictions on Construction Phase Activity:</u> Prohibit construction phase activity, described below, on big game high value and critical winter range during the period (December 1-April 15) without regard for land ownership.

This condition would not apply to normal maintenance and operation of producing wells, described below. On nonfederal lands (where the federal government does not have either surface or subsurface ownership) the Companies would be allowed to conduct construction phase activity if needed to avoid breech of contract or loss of lease rights. In the event construction phase activity proceeds into the winter closure period on non federal interest lands, Companies would make available appropriate documentation to UDWR, upon request.

<u>Construction Phase Activity:</u> Construction phase activity is considered to include all work associated with initial drilling and construction of facilities through completion, including installation of pumping equipment, connection with ancillary facilities and tie-in with pipelines necessary for product delivery.

Companies would not be allowed to initiate construction activity unless it is reasonable to believe that such work can be finished to a logical stopping point prior to December 1 of that year. Specific activities considered to be covered by the seasonal closure include all heavy equipment operation including but not limited to the following:

-Mobilization/Demobilization or operation of heavy equipment (Crawler tractor, front end loader, backhoe, road grader, etc.)

-Construction activity (road construction or upgrading, pad, pipeline, powerline, ancillary facilities, etc.)

-Drilling activity (Operator would not propose or initiate drilling activity if the project could not reasonably be expected to be finished to a logical stopping point by the December 1 date of that year.)

-Seismic operation, detonation of explosives

This seasonal closure would not apply to reconnaissance, survey/design and/or flagging of project work or other similar activity not requiring actions listed for heavy equipment operation.

<u>Production Phase:</u> A well is considered to be in production phase when the well and ancillary facilities are completed to the point that they are capable of producing and delivering product for sale. It is noted that heavy equipment operation may be necessary in performance of maintenance and operation of producing wells.

<u>Restriction on Non Emergency Workover Operations:</u> The companies will schedule non-emergency workover operations (defined below) on big game crucial and high value winter range outside December 1 to April 15 date of the seasonal closure.

Non-emergency Workover Operations: Workover operations to correct or reverse a gradual loss of production over time (loss of production of 20 percent or less over a 60 day period) is considered to be routine or non-emergency workover operations and would not be permitted during the December 1 to April 15 time frame.

Emergency Workover Operations: Emergency work over operations is defined as downhole equipment failure problems or workover operation necessary to avoid shut in of the well or to avoid an immediate safety or environmental problem. Loss of production greater than 20 percent within a 60 day period is indicative of pump failure and will be treated as an emergency workover operation. The companies will submit Sundry Notices to BLM within five of the emergency workover operations between December 1 and April 15.

### EMP 19: Browse Hand Planting Tubling Mixtures

One of the two browse species lists (checked below) are to be hand planted at the prescribed application rate and according to the following prescribed methods on areas that are undergoing long term reclamation. The would include all pipeline corridors, berm around edge of drill pads, miscellaneous disturbed areas associated with construction such as staging areas for equipment, sidecast on road cuts, along side upgraded or new roads up to and including borrow ditch and in the termination of redundant access roads being closed. This planting shall be completed in the first planting window following completion of construction and on all other disturbed areas upon final reclamation.

### Planting Methods:

Planting shall be accomplished using a labor force with specific experience in landscape restoration, hand planting methods and handling and care of browse tubling and or bareroot stock plants.

Browse plants to be utilized can be bareroot stock or tubling stock plants of 1 year old age class or greater.

Browse seedling protectors will be used to provide protection from browsing ungulates for two years. Seedling protectors will be of an open mesh rigid design that will break down when exposed to sunlight and that measures a minimum of 12 inches in length and 4 inches in diameter.

Planting shall be completed in the spring (March 1-April 1) and or fall (November 1-December 1) planting windows.

Browse plants shall be stored and handled in such a manner as to maintain viability, according to the type of browse stock being used.

### Planting Species and Application Rate:

	[ ] Sagebrush-Grass	[ ] Pinyon-
Juniper Species	Plants Per Acre	
Wyoming Sagebrush (Gordon Creek) Fourwing Saltbush (Utah seed source collected at or above 5,000 feet eleva		50 50
True Mountain Mahogany (Utah seed source) Antelope Bitterbrush (Utah seed source)	0 0	50 50
Total	200	200
Suitable Substitutions:		
Utah Serviceberry Winterfat	no 100	50 no

Table 1: Seed Mixture for the Pinyon/Juniper; Pinyon/Juniper, Modified; Pinyon/Juniper-Badlands; Wyoming Big Sagebrush; and Burned Meadow Community Types (see Note 2)

Species	Preferred	Rate Lbs./Acre	PLS
	Varieties	Planted (Drilled)	Planted/Acre
Crested Wheatgrass	Hycrest	2.00	350,000
Agropyron desertorum			
Indian ricegrass	Paloma,	2.00	376,000
Achnatherum hymenoides	Nezpar		
Needle-and-thread	None	2.00	230,000
Stipa Comata			
Thickspike wheatgrass	Cirtana	1.5	279,000
Elymus lanceolatus			
Lewis (Blue) flax	None	1.00	285,000
Adenolinum lewisii			
Palmer penstemon	Cedar	0.50	305,000
Penstemon palmerii			
Antelope bitterbrush <sup>1</sup>	None	1.00	15,000
Pursia tridentate			•
Birch-leaf mountain	None	1.00	59,000
mahogany			
Cercocarpus montanus	,		
Winterfat <sup>1</sup>	None	1.00	56,700
Ceratoides lanata			
Wyoming big sagebrush <sup>1</sup>	None	0.25	625,000
Ceratoides lanata			2 590 700

Totals=12.25 2,580,700 (≈59 seeds/sq. ft.)

1. A broadcast rate for shrub species. Shrub seed to be broadcast simultaneously with drilling.

Note 1: The seeding rate for herbaceous species will be doubled where broadcast seeding methods are used.

Note 2: This mixture will also be seeded in disturbed areas associated with the wetlands crossing in Section 19.

Table 2: Seed Mixture for the Wyoming Big Sagebrush—Saltbush Flats; and Badlands-Gullied Lands-Miscellaneous Community Types

Species	Peferred	Rate Lbs./Acre	PLS
-	Varieties	Planted (Drilled)	Planted/Acre
Crested Wheatgrass	Hycrest	3.00	525,000
Agropyron desertorum			
Indian ricegrass	Paloma,	3.00	564,000
Achnatherum hymenoides	Nezpar		
Needle-and-thread	None	3.00	345,000
Stipa comata			
Sand dropseed	None	0.10	500,000
Sporobolus crytandrus			
Black greasewood <sup>1</sup>	None	1.00	210,000
Sarcobatus vermiculatus			
Fourwing saltbush <sup>1</sup>	Any adapted	4.00	280,000
Atriplex canescens			
Shadscale saltbush <sup>1</sup>	None	4.00	259,600
Atriplex confertifolia		·	
Winterfat <sup>1</sup>	None	1.00	56,700
Ceratoides lanata			
		10.10	0.740.000

Totals= 19.10

2,740,300 (≈63 seeds/sq. ft)

1: A broadcast rate for shrub species. Shrub seed to be broadcast simultaneously with drilling

Note 1: The seeding rate for herbaceous species will be doubled where broadcast-seeding methods are used.

### C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

<u>Building Location</u>- Contact the BLM Price Field Office, Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

<u>Spud-</u> The spud date will be reported to BLM 24-hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

<u>Drilling Reports</u>- Drilling reports shall detail daily progress and well status, and shall be submitted to the Moab Field Office on a weekly basis.

Oil and Gas Operations Reports (OGORs)- Production from this well shall be reported to Minerals Management Service (MMS) on a monthly basis.

<u>Sundry Notices</u>- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed with the Moab Field Office for approval of all changes of plans and subsequent operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

<u>Drilling Suspensions</u>- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

<u>Undesirable Events</u>- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

<u>Cultural Resources</u>- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Price Field Office is to be notified.

<u>First Production</u>- Should the well be successfully completed for production, the Moab Field Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Price Field Office.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the Moab Field Office not later than thirty-days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

<u>Venting/Flaring of Gas-</u> Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor (BLM) shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

<u>Produced Water-</u> An application for approval of a permanent disposal method and location will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No.7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

<u>Plugging and Abandonment</u>- If the well is completed as a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Price Field Office or the appropriate surface managing agency.

### TABLE 1

### **NOTIFICATIONS**

Notify Don Stephens (435-636-3608) or Mary Maddux (435-636-3668) of the BLM Price Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spud;

50 feet prior to reaching the surface casing setting depth;

If the person at the above number cannot be reached, notify the BLM Moab Field Office at 435-259-2100.

Well abandonment operations require 24-hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained from:

Eric Jones, Petroleum Engineer

Office: 435-259-2117 Home: 435-259-2214

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU. GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS	UTU80557
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, signficantly deepen existing well below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL  OIL WELL  OIL WELL  GAS WELL  OTHER	8. WELL NAME and NUMBER: North Bench Federal 33-33
2. NAME OF OPERATOR:  Kerr-McGee Oil & Gas Onshore LP	9. API NUMBER: 43-007-31043
3. ADDRESS OF OPERATOR:  PHONE NUMBER  202 200 2000	10. FIELD AND POOL, OR WILDCAT: Undesignated/Ferron
1999 Broadway, Suite 3700 303 296-3600	
FOOTAGES AT SURFACE: 1772' FEL, 1668' FSL	county: Carbon
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDAN: NWSE, Sec. 33: T13S-R11E, S.L.B.&M	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
CHANGE WELL STATUS  PRODUCTION (START/HESUME)	WATER SHUT-OFF
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	ON and Name Change Notification
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATIO	on and Name Change Notification
I. This Sundry Notice is to hereby notify and reflect a "Name Change" from Westp and subsequent name change into Kerr-McGee Oil & Gas Onshore LP, effective Japlace of business for the Northern Office being 1999 Broadway, Suite 3700, Denve telephone number 303 296-3600 and fax number of 303 296-3601.  II. In addition, Kerr-McGee Oil & Gas Onshore LP, respectfully requests a one (1) North Bench Federal 33-33, API No. 43-007-31043. Also, attached herewith this "Application for Permit to Drill Request for Permit Extension Validation".  I want to thank you in advance for your attention and consideration in this matter. suggestions to the undersigned.  New Operator Number N2995	er, CO 80202, business  by year permit extension for the s Sundry Notice the
NAME (PLEASE PRINT) Debby J. Black 720-264-2646 TITLE Staff Engin	eering/Regulatory Analyst
NAME (FLEASE FIRM)	May 1, 2006
SIGNATURE DELLY G. Black DATE	
NI 11 C Panh	*

# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-007-31043  Well Name: North Bench Federal 33-33  Location: NWSE, Sec. 33: T13S-R11E, Carbon County, UT  Company Permit Issued to: Kerr-McGee Oil & Gas Onshore LP  Date Original Permit Issued: May 19, 2005
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No X
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes No X
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No X
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location?  Yes No X
Has the approved source of water for drilling changed?  Yes No X
Have there been any physical changes to the surface locaiton or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes No X
s bonding still in place, which covers this proposed well?  Yes X No
May 1, 2006
Signature Date
Title: Staff Engineering/Regulatory Analyst
Representing: Kerr-McGee Oil & Gas Onshore LP

### Division of Oil, Gas and Mining

### **OPERATOR CHANGE WORKSHEET**

1. DJJ 2. CDW

### X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:			1/6/2006		
FROM: (Old Operator):	TO: ( New Op	erator):			
N2115-Westport Oil & Gas Co., LP	N2995-Kerr-M		& Gas Onshore	. LP	
1368 South 1200 East		outh 1200		,	
Vernal, UT 84078	Vernal,	UT 84078	3		
Phone: 1-(435) 781-7024	Phone: 1-(435)	781-7024			
CA No.	Unit:				
WELL NAME SEC TWN RNG	[	ENTITY NO	1 1	WELL FYPE	WELL STATUS
OPERATOR CHANGES DOCUMENTATION					
Enter date after each listed item is completed					
1. (R649-8-10) Sundry or legal documentation was received from the	FORMER one	rator on:	5/10/2006		
2. (R649-8-10) Sundry or legal documentation was received from the	•		5/10/2006		
3. The new company was checked on the Department of Commerce	_			1:	3/7/2006
	Business Numb	-	1355743-0181		
4b. If <b>NO</b> , the operator was contacted contacted on:					
5a. (R649-9-2)Waste Management Plan has been received on:	IN PLACE				
5b. Inspections of LA PA state/fee well sites complete on:	n/a				
5c. Reports current for Production/Disposition & Sundries on:	ok				
6. Federal and Indian Lease Wells: The BLM and or the B	IA has appro	ved the n	nerger, name	e chang	ze.
or operator change for all wells listed on Federal or Indian leases of		BLM	3/27/2006 H	_	not yet
7. Federal and Indian Units:					
The BLM or BIA has approved the successor of unit operator for	wells listed on:		3/27/2006		
8. Federal and Indian Communization Agreements ("Communication Agreements (	,				
The BLM or BIA has approved the operator for all wells listed w		· · · · · · · · · · · · · · · · · · ·	n/a		
· ,	vision has appro			er of A	ithority to
Inject, for the enhanced/secondary recovery unit/project for the wa	ter disposal well	(s) listed o	n:		
DATA ENTRY:					
1. Changes entered in the Oil and Gas Database on:	5/15/2006		5/15/0006		
<ul><li>2. Changes have been entered on the Monthly Operator Change Spi</li><li>3. Bond information entered in RBDMS on:</li></ul>			5/15/2006		
4. Fee/State wells attached to bond in RBDMS on:	5/15/2006				
5. Injection Projects to new operator in RBDMS on:	0/10/2000				
6. Receipt of Acceptance of Drilling Procedures for APD/New on:		n/a	Name Change	e Only	
BOND VERIFICATION:					
1. Federal well(s) covered by Bond Number:	CO1203				
2. Indian well(s) covered by Bond Number:	RLB0005239				
3. (R649-3-1) The NEW operator of any fee well(s) listed covered by	Bond Number	÷	RLB0005236		
a. The <b>FORMER</b> operator has requested a release of liability from their The Division sent response by letter on:	ir bond on:	n/a	rider added	KMG	
LEASE INTEREST OWNER NOTIFICATION:					
4. (R649-2-10) The <b>FORMER</b> operator of the fee wells has been conta		ed by a let	ter from the D	ivision	
of their responsibility to notify all interest owners of this change on:		5/16/2006			
COMMENTS:					

<sup>4</sup> Form 3160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

### MULTIPLE LEASES

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE — Other Instructions on reverse side  1. Type of Well	abandoned well.	Use Form 3160-3 (APD)	for suc	h proposal	s.	o. It indian, At	THE Name
Security   Cas Well   Other   Security   Other   O	SUBMIT IN TRIPLICATE – Other instructions on reverse side			7. If Unit or CA/Agreement, Name and/or No.			
APPLICATION	Oil Well X Gas Well	Other				4	
38. Address  1368 SOUTH 1200 EAST VERNAL, UT 84078  4. Location of Well (Feotage, Sec., T., R., M. or Survey Description)  10. Field and Pool, or Exploratory Area  11. County or Parish, State  UINTAH COUNTY, UTAH  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  Notice of Intent  Alter Casing Production (Start/Resume)  Alter Casing Repair  New Construction Recomplete  Casing Repair  New Construction  Plug Back  Water Disposal  Other CHANGE OF  OPERATOR  If the proposal is of depen directionally or recomplete in one wincrula provisions during in the record to the start all pertinent details, including estimated starting after of my proposed ward approximate during thereof. If the proposal is of depen directionally or recomplete in one wincrula, Policy shade operations. If the operation reads in an amount and for mercan advances. Antual the Bord under which the work will be performed or provide the Bond No. on file with BLM9IR. Required subsequent reports shall be filled within 30 days following completed. Final Abandoment Notices shall be filled only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.  PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE PRECEIVED OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.  KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS  MAY 1 0 2006  OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE  IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.  APPROVED  It is the proposal wards and correct  Nature of the proposal stress and developments. The stress and developments and developments. The stress and Mining  Earlene Russell, Engineering Technician  Date  May 9, 2006  THIS SPACE FOR FEDERAL OR STATE USE  Approved by  This SPACE FOR FEDERAL OR STATE USE  Approved by  This SPACE FOR FEDERAL OR STATE USE	,	N04005 1 5				L	
1368 SOUTH 1200 EAST VERNAL, UT 84078   (435) 781-7024   10. Field and Pool, or Exploratory Aren	<del></del>	····	2h Dh	one No. Gueler	do 2002 - Joh	9. API Well No	D.
SEE ATTACHED		1		•	ae area coae)	10 Field and Po	of or Evaloratory Area
II. County or Parish, State   UINTAH COUNTY, UTAH			<u>`                                    </u>	101-1024			of, or Exploratory Area
TYPE OF SUBMISSION    Notice of Intent							
TYPE OF SUBMISSION    Notice of Intent	12. CHECK APP	ROPRIATE BOX(ES) TO IN	NDICAT	TE NATURE	OF NOTICE, R	EPORT, OR OT	THER DATA
Notice of Intent	<del></del>	, ,					
Subsequent Report Casing Repair New Construction Recomplete Operations of Change Plans Plug and Abandon Temporarily Abandon Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond Mo. on file with BLMFIIA. Requirements shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonnent Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.  PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE PECLIVED OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.  KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS MAY 1 0 2006  OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE  IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.  BLM BOND = CO/203  BLM BOND = CO/203  BLB BOND = CO/203  BLB BOND = CO/203  BLB BOND = CO/203  BLB BOND = CO/203  Title Barlene Russell, Engineering Technician  DRILLING MANAGER  Sistence May 9, 2006  THIS SPACE FOR FEDERAL OR STATE USE  Approved by  Title Date  Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entable the applicant tool conduct repartations thereon.		=	=	pen	Production	(Start/Resume)	
Final Abandomment Notice	Subsequent Report	Casing Repair	New	Construction	Recomplet	e	Other CHANGE OF
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLMSIA Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.  PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.  KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS  OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE  IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.  BLM BOND = C0/303  BIA BOND = C0/303  BIA BOND = LLB0005339  Coulture Lucull  14. Thereby certify that the foregoing is true and correct  Name (Printed/Typed)  DRILLING MANAGER  Pate  Name (Printed/Typed)  DRILLING MANAGER  Title Earlene Russell, Engineering Technician  DRILLING MANAGER  Approved by  Title Date  Office  Conditions of approval, if any, are attacked. Approval of this notice does not warrant or certify that the applicant holds legal or equitable their to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Final Abandonment Notice						
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) RANDY BAYNE DRILLING MANAGER Date May 9, 2006  THIS SPACE FOR FEDERAL OR STATE USE  Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	PLEASE BE ADVISED THAT OPERATOR OF THE ATTAKERR-McGEE OIL & GAS COF THE LEASE(S) FOR THE IS PROVIDED BY STATE OF BLM B	A inspection.  T KERR-McGEE OIL &  CHED WELL LOCATIO  DNSHORE LP, IS RESP  E OPERATIONS COND  F UTAH NATIONWIDE	GAS C NS. E ONSIE DUCTE BOND	DNSHORE FFECTIVE BLE UNDEI D UPON L D NO. RLBÇ	LP, IS CONS JANUARY 6 R TERMS AN EASE LAND: 2005237. PPROVE	SIDERED TO , 2006. ND CONDITION S. BOND CONDITIONS.	BETHE RECEIVED  ONS MAY 1 0 2006  VERAGE
Name (Printed/Typed) FANDY BAYNE DRILLING MANAGER  Date May 9, 2006  THIS SPACE FOR FEDERAL OR STATE USE  Approved by Title Date Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.			JJA		alle de la	Kusul	(
THIS SPACE FOR FEDERAL OR STATE USE  Approved by Title  Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Name (Printed/Typed)  RANDY BAYNE	g is true and correct	DRI	Ear LLING MAN	lene Russell,		
Approved by  Title  Date  Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Kanky & Sayne						
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		THIS SPACE	FOR F	DERAL OR	STATE USE		
certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Approved by			Title		Date	
	certify that the applicant holds legal or equ which would entitle the applicant to conduc	itable title to those rights in the subjet operations thereon.	ect lease		make to any den	griment or occur	of the United States on

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

		120		
SUNDRY	NOTICES	AND	REPORTS	ON WELLS

SUNDRY	SUNDRY NOTICES AND REPORTS ON WELLS		MULTIPLE LEASES		
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.				6. If Indian, Allotte	e or Tribe Name
SUBMIT IN TRIPL	7. If Unit or CA/Ag	reement, Name and/or No.			
1. Type of Well					
Oil Well X Gas Well	Other			8. Well Name and h	
2. Name of Operator				MUTIPLE W	ELLS
WESTPORT OIL & GAS CO	)MPANY L.P.	lat Bi N d t		9. API Well No.	
3a. Address	/EDNAL LIT 04070	3b. Phone No. (included)	le area code)	10 First - 10 1	F
4. Location of Well (Footage, Sec.,		(435) 781-7024		10. Field and Pool, o	Exploratory Area
, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,			11. County or Parish	State
SEE ATTACHED				l i	
				UINTAH COUN	1 Y, UTAH
12. CHECK APP	ROPRIATE BOX(ES) TO	INDICATE NATURE	OF NOTICE, R	EPORT, OR OTHE	R DATA
TYPE OF SUBMISSION		TYF	E OF ACTION	<u> </u>	
☐ Notice of Intent	Acidize	Deepen	Production		Water Shut-Off
Subsequent Report	Alter Casing	Fracture Treat	Reclamatio		Well Integrity
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abandon	Recomplete Temporarii		Other CHANGE OF
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disp	·	· LIVITOIT
following completion of the involved testing has been completed. Final A determined that the site is ready for fine the complete of the site is ready for fine the complete of	bandonment Notices shall be file nal inspection. 006, WESTPORT OIL THE ATTACHED WELI	ed only after all requirement & GAS COMPANY L LOCATIONS TO	ts, including recla L.P., HAS R KERR-McGE	mation, have been comp ELINQUISHED	leted, and the operator has
	ALL	ROVED 5/	16 06	R	ECEIVED
	Co	where Russ	ull		
	Division Earlene	of Oil, Gas and M Russell, Engineering	ining or Technician	↓ <b>∀</b> 1 1	AY 1 0 2006
14. I hereby certify that the foregoin		,	- recitional	DIV OF	OIL, GAS & MINING
Name (Printed/Typed)	g is true and correct	Title			
BRAD LANEY		ENGINEERING	SPECIALIST	Т	
Signature		Date May 9, 2006			
	THIS SPAC	E FOR FEDERAL OR S	TATE USE		
Approved by		Title		Date	
Conditions of approximately	Approval of this notice doc-	unarent or Com	· · · · · · · · · · · · · · · · · · ·	5-9-00	ρ
Conditions of approval, if any, are attacked certify that the applicant holds legal of equ which would entitle the applicant to conduc	itable title to those rights in the sul et operations thereon.	bje of lease			
Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent stateme	it a crime for any person known is or representations as to an	owingly and willfully to r y matter within its jurisdi	nake to any depa	artment or agency of the	ne United States any



### **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM) 3106 COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P.

1999 Broadway, Suite 3700

Oil & Gas

Denver, CO 80202

### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

### Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices
Wyoming State Office
Rider #1 to Bond WY2357

Rider #1 to Bond WY2357 Rider #2 to Bond WY1865 Rider #3 to Bond WY1127



## United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-922)

March 27, 2006

#### Memorandum

To:

Vernal Field Office

From:

Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of Fluid Minerals

#### Enclosure

Approval letter from BLM COSO (2 pp)

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225

State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson

Joe Incardine

Connie Seare

Dave Mascarenas

Susan Bauman

MAR 2 8 2006

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

i	DIVISION OF OIL, GAS AND MINI	NG		5. LEASE	DESIGNATION AND SERIAL NUMBER:  UTU80557
CIND	DV NOTICES AND DEDODES	ON WEL		6. IF INDI	AN, ALLOTTEE OR TRIBE NAME:
SUND	RY NOTICES AND REPORTS	ON WEL	LS	7 UNIT o	CA AGREEMENT NAME:
	drill new wells, signficantly deepen existing well below c tal laterals. Use APPLICATION FOR PERMIIT TO DRII			1. 0	OTTO TELEVISION DE LA CONTRACTOR DE LA C
1. TYPE OF WELL OIL WELL	GAS WELL X OTHER _				NAME and NUMBER: h Bench Federal 33-33
	GAS WELL ES OTHER =			9. API NU	
2. NAME OF OPERATOR:	err-McGee Oil & Gas Onsho	re LP			43-007-31043
3. ADDRESS OF OPERATOR:			PHONE NUMBER		AND POOL, OR WILDCAT:
1999 Broadwa	y, Suite 3700, Denver, CO 80	202	303 296-3600		Undesignated/Ferron
FOOTAGES AT SURFACE: 1772	2' FEL, 1668' FSL			COUNTY:	Carbon
	ANGE, MERIDAN: NWSE, Sec. 33: T13S-	-R11E, S.L.	B.&M	STATE:	UTAH
11. CHECK APP	PROPRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REPO	ORT, OR	OTHER DATA
TYPE OF SUBMISSION			YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE	DEEPEN	I		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTU	IRE TREAT	:	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	☐ NEW CO	NSTRUCTION		TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	품	FOR CHANGE	=	TUBING REPAIR
V	CHANGE TUBING	Ħ	ND ABANDON	=	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG B		=	WATER DISPOSAL WATER SHUT-OFF
Date of work completion:	CHANGE WELL STATUS	=	CTION (START/RESUME)	=	OTHER: 1 Vr extension request
·	COMMINGLE PRODUCING FORMATIONS  CONVERT WELL TYPE	=	MATION OF WELL SITE PLETE - DIFFERENT FORMATION	لتبت	TYT EXISTOTITE QUEST
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pert	inent details ink	cuding dates, depth, volumes,	, etc.	
Kerr-McGee Oil & Gas	S Onshore LP, respectfully requ	iests a one	e (1) year permit e	xtension	n for the North Bench
	. 43-007-31043. Also, attache				
,	it Extension Validation".		•		**
2					
I want to thank you in a	advance for your attention and	considera	tion in this matter.	Please	direct any questions or
suggestions to the unde	rsigned.		Approved by tr	18	• •
		_	Utah Division	JI Vin <b>a</b>	
		C	il, Gas and Mir	iiig	
					• •
		Date	- FI-HO.	FS	
		Date	D Mich	111	COPYSENTIC OPERATOR
		By:	The sould		one 4.19.00
		<b>-</b> , .		\	The state of the s
New Operator Number N2995			7		
NAME (PLEASE PRINT)	Debby J. Black 720-264-2646	TIT	LE St	aff Title	Analyst
The state of the s	O Black				
SIGNATURE DUNCY	Y. DUUL	DA <sup>-</sup>	TE	April 11	, 400/
(This space for State use only)					

5/2000

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### Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API:

43-007-31043

Well Name: North Bench Federal 33-33
Location: NWSE, Sec. 33: T13S-R11E, Carbon County, UT  Company Permit Issued to: Kerr-McGee Oil & Gas Onshore LP  Date Original Permit Issued: May 19, 2005
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes No X
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes No X
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No X
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes $\square$ No $\boxed{\mathbf{X}}$
Has the approved source of water for drilling changed?  Yes No X
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes No X
Is bonding still in place, which covers this proposed well?  Yes X  No
Signature April 11, 2007  Date
Signature // V
Title: Staff Title Analyst
Representing: Kerr-McGee Oil & Gas Onshore LP

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## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

ι	DIVISION OF OIL, GAS AND MINING			5. LEASE DESIGNATION AND SERIAL NUMBER: UTU80557
GLIND	RY NOTICES AND REPORTS ON	WELL	<u> </u>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
				7. UNIT or CA AGREEMENT NAME:
wells, or to drill horizon	drill new wells, signficantly deepen existing well below current tall laterals. Use APPLICATION FOR PERMIT TO DRILL form	n for such pro	posals.	
1. TYPE OF WELL OIL WELL	GAS WELL X OTHER			8. WELL NAME and NUMBER: North Bench Federal 33-33
2. NAME OF OPERATOR:	Kerr-McGee Oil & Gas Onshore LP			9. API NUMBER: 43-007-31043
3. ADDRESS OF OPERATOR: 1999 Broadw	/ay, Suite 3700 Denver, CO 80202		PHONE NUMBER (303) 296-3600	10. FIELD AND POOL, OR WILDCAT: Undesignated / Ferron
4. LOCATION OF WELL				county: Carbon
FOOTAGES AT SURFACE: 1772	2' FEL, 1668' FSL Lat. 39.649992 Long	g. 110.689	519 NAD 83	
QTR/QTR, SECTION, TOWNSHIP, R.	ANGE, MERIDAN: NWSE Sec. 33, T13S-R11	E S.L.B.	&M.	STATE: UTAH
11. CHECK APP	PROPRIATE BOXES TO INDICATE NA	ATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	
X NOTICE OF INTENT	ACIDIZE X	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	X ALTER CASING	FRACTUR		SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR		STRUCTION	TURING REPAIR
May 16, 2007	X CHANGE TO PREVIOUS PLANS		R CHANGE ABANDON	UENT OR FLARE
SUBSEQUENT REPORT	CHANGE TUBING	PLUG BAC		WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS		ION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS		TION OF WELL SITE	OTHER:
	CONVERT WELL TYPE		ETE - DIFFERENT FORMATIC	
12 DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all pertinent of	details inlou	ding dates, depth, volumes,	etc.
	s Onshore LP wishes to make chan lests your prompt approval of such	-		ate the immediate drilling of the
subjected well and requ	lests your prompt approval or such	Chang	es as follows.	
2) Set conductor pipe	r the conductor hole from 17 1/2" appon hitting competent rock, if reamix concrete instead of Class G			
-	of 11", but still utilize 3M equipn	nent		
,	of the well 150' to increase rat hol			
	casing from 5 1/2" N-80 to M-80 (		haracteristics ex	cention - tension load but not an
•	-	Same C.	naracteristics - ca	coption - tension load, out not un
issue at the depth of we		f any a	sostions orica nla	ase do not besitate contacting the
<u>-</u>	ce for your immediate approval. I rahan, Staff Drilling Engineer at 72			ase do not nestrate contacting the
Debby	J. Black Debby.Black@anadarko.com		Staff	Regulatory Analyst
NAME (PLEASE PRINT)	720-264-2646	TITLE		
SIGNATURE Alelely	J. TSlack	DATE		May 14, 2007
(This space for State use only)				
<del></del>			DECER	COPY SENT TO OPERATOR
Acce	epted by the		RECEIVE	5/22/07
	n Division of		MAY 1 6 200	17 - CHO
E/OOOO	as and Mining Federal Approval		ט אוריים וייים	Fig. 1996 (Med. 1801) Company of the section of the
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Action Is Necessary

DIV. OF OIL, GAS & MANING

5/2000

NBF 33-33 UDOGM Change Plans Sundry 5-14-07 Sundry-Chg Plans NBF 33-33

## **DIVISION OF OIL, GAS AND MINING**

### **SPUDDING INFORMATION**

Name of Company: Kerr-McGee Oil & Gas Onshore LP
Well Name: N Bench Federal 33-33
API No: 43-007-31043 Lease Type: Federal
Section 33 Township 13S Range 11E County Carbon
Drilling Contractor Pense Brothers Rig #_18
SPUDDED:
Date <u>5-25-07</u>
Time <b>2:00 PM</b>
How_Dry
Drilling will Commence:
Reported by <b>Doug Barone</b>
Telephone # 303-258-6086
Date 5-25-07 Signed RM

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

### **ENTITY ACTION FORM**

Operator:

Kerr-McGee Oil & Gas Onshore, LP

Operator Account Number: N

Address:

1099 18th Street #1200

city Denver

state CO zip 80202 Phone Number: (303) 252-6226

Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County		
4300731043	North Bench Federa	I 33-33	NWSE	33	138	11E	Carbon		
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date			
Λ	99999	16114	~	5/25/		1	6/14/07		

Well 2

		Name	QQ	Sec	Twp	Rng	County	
4300731036	Wellington Federal 3	32-04	SWNE	4	148	11E	Carbon	
Action Code	New Entity Number	SI	oud Da	te	Entity Assignment Effective Date			
Α	A 99999 16165				0.7	6/14/07		

Well 3

ederal 33-04	NWSE	4	148	11E	Corbon	
			1	1 ''-	Carbon	
ntity New Entity er Number	Sı	oud Da	te	Entity Assignment Effective Date		
9 16166	61	17/0	7	6/1	4/07	
	er Number	er Number	er Number	er Number	er Number Ef	

### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

**Kevin McIntyre** 

Name (Please Print)

Signature

**Permitting Specialist** 

6/4/2007

Title

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JUN 0 5 2007

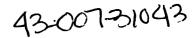
### **STATE OF UTAH**

I	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS AND MI				DESIGNATION AND SERIAL NUMBER: 80557
SUNDRY	NOTICES AND REPORTS	S ON WEL	LS	N/A	IAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill no	ew wells, significantly deepen existing wells below cur terals. Use APPLICATION FOR PERMIT TO DRILL f	rent bottom-hole dep	oth, reenter plugged wells, or to	7. UNIT o	OF CA AGREEMENT NAME:
TYPE OF WELL OIL WELL					NAME and NUMBER: Bench Federal 33-33
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas On	shore, LP				731043
3. ADDRESS OF OPERATOR: 1099 18th Street #1200	, Denver STATE CO ZIP	,80202	PHONE NUMBER: (303) 252-6226		inal Draw
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1668 F	SL 1772 FEL			COUNTY	Carbon
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: NWSE 33 13S 1	1 <b>1</b> E		STATE:	UTAH
11. CHECK APPR	ROPRIATE BOXES TO INDICAT	TE NATURE	OF NOTICE, REPO	RT, OR	OTHER DATA
TYPE OF SUBMISSION			YPE OF ACTION		
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE  ALTER CASING	DEEPEN FRACTURE	TREAT	=	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	☐ NEW CON	STRUCTION	ī	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATO	RICHANGE	_ 1	TUBING REPAIR
	CHANGE TUBING	PLUG AND	ABANDON	`	/ENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BAC		=	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS		ON (START/RESUME)		WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS		FION OF WELL SITE  ETE - DIFFERENT FORMATION	<b>Z</b>	OTHER: Spud
12. DESCRIBE PROPOSED OR CO	CONVERT WELL TYPE  OMPLETED OPERATIONS. Clearly show all p			es, etc.	
North Bench Federal 33-3	3 was spud on May 2 <b>\$</b> , 2007 at 5	10:00.			
					RECEIVED
·					JUN 0 6 2007
				DI	V. Or GIL, GAS & MINIA
-					
NAME (PLEASE PRINT) Kevin McI	ntyre	TIT	Permitting Speci	alist	

(This space for State use only)

incl

DATE 6/5/2007



#### Operation Summary Repo Well: NORTH BENCH FED 33-33 Project: UTAH Site: CARBON Rig Name No: Event: DRILLING Start Date: 5/7/2007 End Date: 5/30/2007 Spud Date: 5/26/2007 Active Datum: RKB @6,248.0ft (above Mean Sea **UWI: NORTH BENCH FEDERAL 33-33** Level) Date Duration 5:30 5/26/2007 - 10:00 MOB Р 4.50 01 Α MIRU Pense Bros. Drilling Rig #18 10:00 - 11:30 1.50 DRILL 02 P PU 15" hammer drill & spud, drill to 83.66 11:30 - 13:30 2.00 DRILL 02 Р Α Run 13 3/8 conductor 13:30 - 14:30 1.00 DRILL 15 Α P cement 13 3/8 conductor 14:30 - 17:30 DRILL Р 3.00 12 В wait on cement 17:30 DRILL - 19:00 1.50 02 P PU 11" hammer drill & drill surface to 355 Α 19:00 - 20:30 1.50 DRILL 05 Р POOH w/ drill pipe, prep to run surface pipe 20:30 - 22:00 1.50 DRILL 05 D PU & TIH w/ 345' 8 5/8 surface pipe. 22:00 - 0:00 DRILL Р 2 00 15 Α MIRU Superior & cement surface csg 0:00 5/27/2007 - 1:00 1.00 DRILL 15 p complete cementing & RD superior 1:00 5:00 4.00 **DRILL** 12 В Ρ wait on cement to cure 5:00 - 8:30 3.50 DRILL P 13 Α cut off csg & install surface csg flange 8:30 - 11:00 2.50 DRILL 13 P NU BOPE, choke manifold Α 11:00 DRILL - 14:00 3.00 13 С P Test BOPE, test ok, csg test shows a small leak off at 1600 psi. 14:00 - 20:30 6.50 DRILL 13 С Х Locate cross overs & pkr to test csg & get to location 20:30 - 21:00 0.50 DRILL B X 13 MU & TIH w/ arrowset pkr dressed for 8 5/8 - 24# pipe and set at 300' in 45,000 tension 21:00 - 21:30 DRILL 0.50 C 13 Х PSI test 8 5/8 csg to 2000 PSI, held solid for 30 min 21:30 - 22:00 0.50 DRILL 05 Α X Release pkr at 300' & pooh. Lay down pkr 22:00 - 0:00 2.00 DRILL 02 Α RU diverter can & blow line, PU 7 7/8 hammer drill - 1:00 5/28/2007 0:00 1.00 DRILL 02 Α Р Drill ahead F/ 355 to 500' 1:00 - 1:15 0.25 DRILL 09 Α Þ survey - 1 1/2 degrees 1:15 3.75 - 5:00 DRILL 02 Drill ahead F/ 500 to1200' 5:00 - 5:15 0.25 DRILL 09 Α survey at 1135- 2.0 degrees 5:15 - 8:00 2.75 DRILL 02 Α Drill ahead F/1200 to 1525' 8:00 - 8:15 DRILL 0.25 09 Α Р survey at 1500' - 2 1/4 degrees 8:15 - 11:00 2.75 DRILL 02 Α Drill ahead F/1525 to 2005' 11:00 - 15:30 4.50 DRILL 02 Р Drill F/ 2005 to 2550' Α 15:30 - 15:45 0.25 DRILL 09 Α P survey 2 1/2 degrees at 2500 15:45 - 17:30 1.75 DRILL 02 Α Drill F/ 2550 to2785' 17:30 - 20:30 3.00 DRILL Р 05 Α POOH & LD Hammer drill 20:30 - 0:00 3.50 **DRILL** 05 PU tricone BHA & TIH 5/29/2007 0:00 - 5:30 5.50 DRILL 02 Α Drill F/ 2785 to 3150, TD at 05:30 5:30 DRILL Р - 7:00 1.50 02 Α Blow hole clean 7:00 - 9:00 2.00 DRILL 04 C Load hole w/ produced water, took 450 bbls POOH & LD drill pipe loading hole w/ 60 bbls every 9:00 - 12:30 DRILL В 3 50 05 600 feet 12:30 - 19:00 DRILL 6.50 08 P RU Loggers, Log well, RD loggers 19:00 - 23:00 4.00 DRILL 05 D PU shor, 1 jt, Float collar & TIHw/ 5 1/2.MU DV tool & insert in string, TIH w/ 5 1/2 csg 23:00 - 0:00 1.00 DRILL 15 Α P MIRU cementers 0:00 5/30/2007 - 2:00 2.00 DRILL 15 Α P **RU** cementers

- 3:30

DRILL

1.50

15

p

2:00

Pump 1 stage146 sx, bumped plug at 500 psi to 1500 psi, dropped bomb, open DV, break

circulation, pump 27 bbls

## RECKES

### on Summary Report

Well: NORTH BENCH FED 33-33

Rig Name No: Project: UTAH Site: CARBON Event: DRILLING Spud Date: 5/26/2007 Start Date: 5/7/2007 End Date: 5/30/2007

Active Datum: RKB @6,248.0ft (above Mean Sea

UWI: NORTH BENCH FEDERAL 33-33

Level)

Pete	81		ed.	Duration (hr)	Phase	Code	50000 862	PAU MO From	Consider Consider
	3:30	- 4	1:00	0.50	DRILL	15	A	Р	
									shut down, switch to rig pump, pumped 100 bbls in
									15 minutes, did catch circulation
	4:00	- 5	5:30	1.50	DRILL	15	В	P	Switch back to Cementers, pump 300 bbls at 8 bpm, with one attempt at 10-12 bpm, did not break circulation, ran out of water, 200 bbls fresh water on cement job, lost 400 bbls after the job attempting to break circulation.
	5:30	٠. و	9:30	4.00	DRILL	12	Α	X	Waiting orders
	9:30	- 1	0:30	1.00	DRILL	04	D	X	Break circulation w/90 bbls , 5 bpm
	10:30	- 1	1:30	1.00	DRILL	15	Α	P	cement 2nd stage 212 sx5 bpm,bump plug 550, close DV tool 2650, shut down, floats hold
	11:30	- 1	2:30	1.00	DRILL	13	Α	Р	set slips, ND BOP, release rig

6/7/2007 10:47:02AM

#### STATE OF UTAH AMENDED REPORT FORM 8 DEPARTMENT OF NATURAL RESOURCES (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING UTU-80557 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG N/A 1a. TYPE OF WELL: UNIT or CA AGREEMENT NAME GAS Z WELL OTHER N/A b. TYPE OF WORK: WELL NAME and NUMBER: DEEP-DIFF. D RETRY North Bench Federal 33-33 OTHER API NUMBER: 2 NAME OF OPERATOR Kerr-McGee Oil & Gas Onshore, LP 4300731043 10 FIELD AND POOL, OR WILDCAT 3. ADDRESS OF OPERATOR: PHONE NUMBER STATE CO ZIP 80202 1099 18th Street #1200 CITY Denver (303) 252-6226 Cardinal Draw 4. LOCATION OF WELL (FOOTAGES) 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, AT SURFACE: 1668 FSL 1772 FEL NWSE 33 13S 11E AT TOP PRODUCING INTERVAL REPORTED BELOW: 2715 12. COUNTY 13. STATE UTAH AT TOTAL DEPTH: 3150 Carbon 15. DATE T.D. REACHED: 17. ELEVATIONS (DF, RKB, RT, GL): 14. DATE SPUDDED: 16. DATE COMPLETED: ABANDONED READY TO PRODUCE 5/26/2007 5/29/2007 5/29/2007 6240 GL 21. DEPTH BRIDGE 18. TOTAL DEPTH: MD 19. PLUG BACK T.D.: MD 2.991 MD 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* 3.150 PLUG SET: TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23. CPD, CDN, AIL, TCQI ю 🗸 WAS WELL CORED? YES (Submit analysis) WAS DST RUN? NO 🗸 YES [ (Submit report) DIRECTIONAL SURVEY? NO 🔽 YES [ (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER CEMENT TYPE & SLURRY AMOUNT PULLED BOTTOM (MD) CEMENT TOP \*\* HOLE SIZE SIZE/GRADE WEIGHT (#/ft.) TOP (MD) VOLUME (BBL) 15" 13 3/8 J-55 48# 9 84 Neat Surface None 355 12 11" 8 5/8 J-55 24# 0 355 Class A 165 Surface None 400 7 7/8" 5 1/2 J-55 17# 0 3,150 3,150 Class A 258 Surface None 25. TUBING RECORD DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) DEPTH SET (MD) PACKER SET (MD) SIZE 26. PRODUCING INTERVALS 27. PERFORATION RECORD FORMATION NAME BOTTOM (TVD) INTERVAL (Top/Bot - MD) PERFORATION STATUS TOP (MD) BOTTOM (MD) TOP (TVD) 2,715 (A) Ferron 2.715 2.925 2.925 Squeezed (B) Open Open Squeezed (C) Open Squeezed (D) 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL 29. ENCLOSED ATTACHMENTS: 30. WELL STATUS: GEOLOGIC REPORT ELECTRICAL/MECHANICAL LOGS WOPL OTHER: SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS

(CONTINUED ON BACK)

DIV. OF OIL, GAS & MINING

	DUCTION					· · · · · · · · · · · · · · · · · · ·	wn in item #26)	Tail 22	Tava	I=== ==:	T
DATE FIRST PR	ODUCED:	TEST DA	ATE:		HOURS TESTED	<b>D</b> :	TEST PRODUCTION RATES: →	OIL-BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	. CSG. PR	RESS. API C	RAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER BBL:	INTERVAL STATU
					INT	ERVAL B (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DA	ATE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	. CSG. PR	RESS. API G	RAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATU
					INT	ERVAL C (As sho	wn in item #26)				
DATE FIRST PR	TE FIRST PRODUCED: TEST DATE:			HOURS TESTED	<b>D</b> :	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:	
CHOKE SIZE:	E SIZE: TBG. PRESS. CSG. PRESS. API GRAVIT		RAVITY	BTU GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS MCF:	WATER - BBL:	INTERVAL STATU	
					INT	ERVAL D (As sho	wn in item #26)				
DATE FIRST PF	ODUCED:	TEST DA	ATE:		HOURS TESTER	);	TEST PRODUCTION RATES: →	OIL-BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	. CSG. PR	RESS. API 0	RAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL	GAS - MCF:	WATER - BBL:	INTERVAL STATU
32. DISPOSITIO	ON OF GAS (Sc	old, Used for I	Fuel, Vented, E	itc.)							
33. SUMMARY	OF POROUS Z	ONES (Includ	ie Aquifers):			_		34. FORMATION	N (Log) MARKERS:		
Show all importatested, cushion of						n tests, including de	pth interval				
Formati	on	Top (MD)	Bottom (MD)		Descrip	tions, Contents, etc			Name		Top (Measured Depth)
Ferron		2,715	2,925	Wat	er/Coal			Ferron			2,715
GIIOII		2,713	2,323	Wat	ei/Ooai			Citon			2,1 10
				ŀ							
				1							
35 ADDITIONA	I DEMARKS /	nclude plugg	ing procedure	<u> </u>							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from	I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.										
NAME (PLEASE PRINT) Kevin McIntyre	TITLE	Permitting Specialist									
SIGNATURE Kin MC	DATE	6/7/2007									

This report must be submitted within 30 days of

- completing or plugging a new well
   drilling horizontal laterals from an existing well bore
- · recompleting to a different producing formation
- · reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- \* ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- \*\* ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

801-359-3940 Fax:

(5/2000)

From:

Carol Daniels

To:

kevin.mcintyre@anadarko.com

Date:

9/20/2007 6:32 AM

Subject:

Wells not completed yet (9)

Kevin,

I have deleted all the well completion information for the 9 wells, listed below, in our Oil & Gas Database as per your request and have returned them back into drilling status. As a result, you will need to send in monthly drilling reports for the wells to be in compliance with THE OIL AND GAS CONSERVATION GENERAL RULES. See Rule R649-3.6.2.4 under Drilling Operations. Also, see Rule R649-3-21. Well Completion And Filing of Well Logs.

### LIST OF 9 WELLS RETURNED TO DRILLING STATUS

N BENCH FED 31-33 N BENCH FED 22-33 N BENCH FED 33-33 **WELLINGTON FED 32-04 WELLINGTON FED 33-04** N BENCH FED 24-33 **WELLINGTON FED 33-05 WELLINGTON FED 22-04 WELLINGTON FED 13-04** 

Any questions, please let me know.

Carol Daniels

Telephone: (801) 538-5284 E-mail: caroldaniels@utah.gov

Fax: (801) 359-3940

### MONTHLY PRODUCTION DATA ENTRY CAMPANY NAME & AGENCESS

KERR-MCGEE OIL & GAS ONSHORE, LP 1999 BROADWAY, STE 3700 **DENVER CO 80202** 

PARE 107 OF 108



### PRODUCTION KEYS

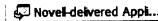
			3 3 7 2 1 B	aber actif				grana and the		
		SUME		SEW)	THE.		<u> </u>	because the board of	Marine San Late of Late of the State of the Late of th	Construction are referenced by the man-
BITTER CREEK 1122-2H	4304736997	16083	WSMVD	Р	GW	19	0	33102		09/14/2007
STATE 1021-36K	4304738849	16084	WSMVD	Р	GW	27	0	26480		09/14/2007
HATCH 923-24A	4304736872	16085	WSMVD	Р	GW	23	427	6776	2300	09/14/2007
HATCH 923-14G	4304737028	16087	WSMVD	Р	GW	26	227	63184	6220	09/14/2007
N BENCH FED 31-33	4300731044	16122	FRSD	S	GW	0	0	0	0	09/14/2007
N BENCH FED 22-33	4300731046	16123	FRSD	S	GW	0	0	0	0	09/14/2007
STATE 920-36K	4304736854	16125	WSMVD	Р	GW	7	0	5431	2555	09/14/2007
HATCH 923-14E	4304736864	16127	WSMVD	Р	GW	5	262	5405	764	09/14/2007
N BENCH FED 33-33	4300731043	16164	FRSD	s	GW	0	0	0	0	09/14/2007
WELLINGTON FED 32-04	4300731036	16165	FRSD	S	GW	0	0	0	0	09/14/2007
WELLINGTON FED 33-04	4300731037	16166	FRSD	S	GW	0	0	0	0	09/14/2007
N BENCH FED 24-33	4300731045	16167	FRSD	S	GW	0	0	0	0	09/14/2007
WELLINGTON FED 33-05			FRSD	s	GW	0	0	0		09/14/2007
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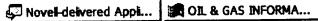
PRODUCTI...

Productionfrontcursor

Record: 1/13

Exclusive







FILE EDIT OIL GAS GAS PLANT REPORTS DB MAINTENANCE OPTIONS HELP DATA CONVERSION LOGS DATABASE QUERY

COMPANY NAME & ADDRESS	· · · · · · · · · · · · · · · · · · ·	PRODU	CTION KE				
KERR-MCGEE OIL & GAS ONSHORE,	LP	ACCOU	NT NUME				
1999 BROADWAY, STE 3700 DENVER CO 80202	REP	ORTPER					
·		REC	ZEIVED D/	ATE	T	SEFFERE	SONE .
≥ 198 OF 198		ADI	DREC	DELETE	rec j		
E MARKE AND	ENTITY		TYPE	DAYS OIL	rico (di		
VELLINGTON FED 22-04 4300731035 VELLINGTON FED 13-04 4300731034	16198 FRSD 16199 FRSD		GW GW	0	0	0	0 09/14/2007 0 09/14/2007
PREV PAGE	HEXT PAGE		IOTA	LS	0	0	0

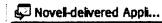
RODUCIL

Productionfrontcursor

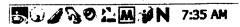
Record: 2/2

Exclusive









NUM

From:

"McIntyre, Kevin" < Kevin.McIntyre@anadarko.com>

To:

"Carol Daniels" < caroldaniels@utah.gov>

Date:

9/21/2007 11:23 AM

Subject:

RE: Wells not completed yet (9)

Attachments:

North Bench Federal 31-33.pdf; North Bench Federal 22-33.pdf; North Bench F ederal 33-33.pdf; North Bench Federal 24-33.pdf; Wellington Federal 32-04.p df; Wellington Federal 33-04.pdf; Wellington Federal 33-05.pdf; Wellington

Federal 22-04.pdf; Wellington Federal 13-04.pdf

Here are the required drilling reports, Carol...

Have a great weekend!!!

-Kevin

----Original Message-----

From: Carol Daniels [mailto:caroldaniels@utah.gov] Sent: Thursday, September 20, 2007 6:33 AM

To: McIntyre, Kevin

Subject: Wells not completed yet (9)

Kevin.

I have deleted all the well completion information for the 9 wells, listed below, in our Oil & Gas Database as per your request and have returned them back into drilling status. As a result, you will need to send in monthly drilling reports for the wells to be in compliance with THE OIL AND GAS CONSERVATION GENERAL RULES. See Rule R649-3.6.2.4 under Drilling Operations. Also, see Rule R649-3-21. Well Completion And Filing of Well Logs.

### LIST OF 9 WELLS RETURNED TO DRILLING STATUS

N BENCH FED 31-33 N BENCH FED 22-33 N BENCH FED 33-33 **WELLINGTON FED 32-04 WELLINGTON FED 33-04** N BENCH FED 24-33 **WELLINGTON FED 33-05 WELLINGTON FED 22-04 WELLINGTON FED 13-04** 

Any questions, please let me know.

Carol Daniels

Telephone: (801) 538-5284 E-mail: caroldaniels@utah.gov

Fax: (801) 359-3940

Anadarko Confidentiality Notice:

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Well: NORTH BENCH FED 33-33 43-007-31043 RECEIVED Project: UTAH Rig Name No: Event: DRILLING Start Date: 5/7/2007 SEP 2 4 2007 End Date: 5/30/2007 Spud Date: 5/26/2007 Active Datum: RKB @6,248.0ft (above Mean Sea UWI: NORTH BENCH FEDERAL 33-33

Active Datum: Level)	KKB @6,24	48.υπ (abo	ve mean Se	<b>a</b>	UWI: N	IORTHE	BENCH FEDERAL 33-33	
				Marin 1			A Paragram	The State of the S
5/26/2007	5:30	- 10:00	4.50	MOB	01	de2	(n)	MIDI Para Para Dillia Bia #40
3/20/2007		- 11:30	1.50	DRILL	01 02	A A	P P	MIRU Pense Bros. Drilling Rig #18
	11:30		2.00	DRILL	02	A	P	PU 15" hammer drill & spud, drill to 83.66
	13:30		1.00	DRILL	15	A	P	Run 13 3/8 conductor
	14:30		3.00	DRILL	12	В	P	cement 13 3/8 conductor
	17:30		1.50	DRILL	02		P	wait on cement
	19:00		1.50	DRILL	02 05	A A	P	PU 11" hammer drill & drill surface to 355
		- 22:00	1.50	DRILL	05	D	P	POOH w/ drill pipe, prep to run surface pipe
		- 0:00	2.00	DRILL	15	A	P	PU & TIH w/ 345' 8 5/8 surface pipe.
5/27/2007		- 1:00	1.00	DRILL	15		P	MIRU Superior & cement surface csg
3/2//2007		- 5:00	4.00	DRILL		A B	P	complete cementing & RD superior
		- 8:30			12			wait on cement to cure
			3.50	DRILL	13	A	P	cut off csg & install surface csg flange
	11:00	- 11:00 - 14:00	2.50	DRILL	13 12	A	P	NU BOPE, choke manifold
	14:00		3.00	DRILL	13	C	P	Test BOPE, test ok, csg test shows a small leak off at 1600 psi.
			6.50	DRILL	13	С	×	Locate cross overs & pkr to test csg & get to location
	20:30	- 21:00	0.50	DRILL	13	В	Х	MU & TIH w/ arrowset pkr dressed for 8 5/8 - 24#
	21:00	- 21:30	0.50	DRILL	13	С	x	pipe and set at 300' in 45,000 tension PSI test 8 5/8 csg to 2000 PSI, held solid for 30 min
	21:30		0.50	DRILL	05	A	X	Release pkr at 300' & pooh. Lay down pkr
	22:00		2.00	DRILL	02	A	P	RU diverter can & blow line, PU 7 7/8 hammer drill
5/28/2007		- 1:00	1.00	DRILL	02	A	Р	Drill ahead F/ 355 to 500'
0/20/2001	1:00		0.25	DRILL	09	A	P	survey - 1 1/2 degrees
	1:15		3.75	DRILL	02	A	, P	Drill ahead F/ 500 to1200'
		- 5:15	0.25	DRILL	09	A	Р	survey at 1135- 2.0 degrees
	5:15		2.75	DRILL	02	A	' P	Drill ahead F/1200 to 1525'
	8:00		0.25	DRILL	09	A	' P	i
	8:15		2.75	DRILL	02	A	P	survey at 1500' - 2 1/4 degrees
	11:00		4.50	DRILL	02	A	r P	Drill E/ 2005 to 2005'
	15:30		0.25	DRILL	09	A	P	Drill F/ 2005 to 2550'
	15:45		1.75				P	survey 2 1/2 degrees at 2500
	17:30			DRILL	02	A		Drill F/ 2550 to2785'
	20:30		3.00	DRILL	05 05	A	P	POOH & LD Hammer drill
E/20/2007			3.50	DRILL	05	A	P	PU tricone BHA & TIH
5/29/2007		5:30	5.50	DRILL	02	Α .	P	Drill F/ 2785 to 3150, TD at 05:30
		7:00	1.50	DRILL	02	A	P	Blow hole clean
		9:00	2.00	DRILL	04	С	P	Load hole w/ produced water, took 450 bbls
		12:30	3.50	DRILL	05	В	Р	POOH & LD drill pipe loading hole w/ 60 bbls every 600 feet
	12:30 -		6.50	DRILL	08	Α	Р	RU Loggers, Log well, RD loggers
		23:00	4.00	DRILL	05	D	Р	PU shor, 1 jt, Float collar & TIHw/ 5 1/2.MU DV tool & insert in string, TIH w/ 5 1/2 csg
	23:00 -		1.00	DRILL	15	Α	Р	MIRU cementers
5/30/2007	0:00 -		2.00	DRILL	15	Α	Р	RU cementers
	2:00 -	3:30	1.50	DRILL	15	Α	Р	Pump 1 stage146 sx, bumped plug at 500 psi to 1500 psi, dropped bomb, open DV, break circulation, pump 27 bbls

9/21/2007

11:14:53AM

	a de la composición della comp		gar Sucuration above	September 1				
Well: NORTH BENCH	HFE	D 33-33		Tau				
Project: UTAH				Site: CA	RBON			Rig Name No:
Event: DRILLING	event: DRILLING S				te: 5/7/20	07	End Date: 5/30/2001	7 Spud Date: 5/26/2007
Active Datum: RKB @ Level)	<b>2</b> 6,2	48.0ft (abov	e Mean Sea		UWI: N	ORTH B	ENCH FEDERAL 33-33	3
	<b>2</b>		ECHANION (hr)	(Page	i e	W. U	is PLU William	(1) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
3:3	30	- 4:00	0.50	DRILL	15	Α	Р	
								shut down, switch to rig pump, pumped 100 bbls in 15 minutes, did catch circulation
4:0	00	- 5:30	1.50	DRILL	15	В	Р	Switch back to Cementers, pump 300 bbls at 8 bpm, with one attempt at 10-12 bpm, did not break circulation, ran out of water, 200 bbls fresh water on cement job, lost 400 bbls after the job attempting to break circulation.
5:3	30	- 9:30	4.00	DRILL	12	Α	X	Waiting orders
9:3	30	- 10:30	1.00	DRILL	04	D	X	Break circulation w/90 bbls , 5 bpm
10:	30	- 11:30	1.00	DRILL	15	Α	Р	cement 2nd stage 212 sx5 bpm,bump plug 550, close DV tool 2650, shut down, floats hold
11:	30	- 12:30	1.00	DRILL	13	Α	Р	set slips, ND BOP, release rig

9/21/2007 11:14:53AM 2

			DEDAI		TATE (			NIDOE								PORT	1	FORM	8
					F OIL,									ghlight o EASE DES		iges) ATION AND S	ERIAL NU	MBER:	
														UTU-8					
WEL	L COM	PLET	ION	OR I	RECC	MPL	ETIC	ON RI	EPOF	RT ANI	LOG			FINDIAN, NA	ALLO	TTEE OR TE	IBE NAME		
1a. TYPE OF WELL	:	OI W	L ELL	L GAS VELL V DRY OTHER										INIT or CA	AGR	EEMENT NA	ME		
b. TYPE OF WORK NEW WELL	(: HORIZ. LATS.	DE EN	EP-	EP- RE- RESVR. OTHER											8. WELL NAME and NUMBER: North Bench Fed 33-33				
2. NAME OF OPERA		Gas O	nshoi	re, LP	140.40									9. API NUMBER: 4300731043					
	3. ADDRESS OF OPERATOR: PHONE NUMBER: (720) 929-6226														POC	L, OR WILD	CAT		
4. LOCATION OF WELL (FOOTAGES)  11. QTR/QTR, SECTION, TOWNSHIP, RANGE,																			
AT SURFACE: 1668 FSL 1772 FEL MERIDIAN: NWSE 33 13S 11E																			
AT TOP PRODUCING INTERVAL REPORTED BELOW: 2715'																			
AT TOTAL DEPT	'∺: 3150'													12. COUNTY 13. STATE UTAH					
14. DATE SPUDDED	D: 15	5. DATE T		CHED:	16. DAT	COMPL			ABANDON	FD $\square$	READY TO F	PRODUC		— 17. ELEVATIONS (DE RKB RT GL):					
18. TOTAL DEPTH:	MD 3.1			19. PLUG	BACK T.						OMPLETIONS			21. DEP			)		
	TVD	50				TVD	2,990		20. 11	WOLTH EE O	OWN ELTIONS	,, 110111	VIDAL 4 1 :		UG S				
22. TYPE ELECTRIC	C AND OTHER	R MECHAN	IICAL LC	GS RUN	(Submit co	y of each	)			23.									
CPD/CPN/A	<b>≰</b> L/TCQL										L CORED?		NO		YES [		mit analysi	•	
AISFE										WAS DST DIRECTIO	RUN? NAL SURVEY	<b>′</b> ?	NO NO		YES [ YES [	= '	mit report) mit copy)		
24. CASING AND LI	NER RECORE	D (Report	all string	gs set in w	vell)					<u> </u>	·			<u> </u>		(3.2			
HOLE SIZE	SIZE/GRA	ADE	WEIGH	T (#/ft.)	TOP	MD)	вотто	M (MD)		CEMENTER EPTH	CEMENT TO		SLU VOLUM	RRY E (BBL)	CE	MENT TOP *	* AMOU	INT PULL	.ED
15	13 3/8	J-55	48	3#	0 84 84								0			Vone			
11	8 5/8	J-55	24	1#	(	)	3	55	3	55	Α	165	3	35 0		0	1	Vone	
7.7/0	F 4/0	1.55	<i>a</i> –	7 !!	ļ					450					_	_			
7 7/8	5 1/2	J-55	17	′# 		)	3,1	150	3,	150	Α	258	40	00	<u> </u>	0	1	Vone	
25. TUBING RECOR	<u> </u>						<u> </u>								L				
SIZE	DEPTH S	SET (MD)	PACE	KER SET (	MD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	п	FPTH	SET (MD)	PACKE	R SET (M	4D)
											(112)					. 027 (1115)	1710112		
26. PRODUCING IN	TERVALS									27. PERFO	RATION REC	ORD							
FORMATION	NAME	TOP	(MD)	BOTTO	OM (MD)	TOP	(TVD)	вотто	M (TVD)	INTERVA	L (Top/Bot - N	MD)	SIZE	NO. HOL	.ES	PERFO	RATION S	TATUS	
(A) Ferron		2,7	715	2,	925					2,686	2,6	695	4"	3		Open 🗸	Squeeze	d 🗌	
(B)										2,702	2,	733	4"	3		Open 🚺	Squeeze	d 🗌	
(C)										2,786	2,8	805	4"	3		Open 🗸	Squeeze	d 🔲	
(D)										2,810	2,8	316	4"	3		Open 🗸	Squeeze	d 🔲	
28. ACID, FRACTUR	RE, TREATME	NT, CEME	NT SQU	JEEZE, ET	c.														
DEPTH I	INTERVAL								AM	T DNA TNUC	YPE OF MAT	ERIAL							
			9/27	7/2007	Fract	ure Tr	eatme	ent (Sta	age 1)	GPM3	3499, PS	I238	30, ISI	P167	75	Total flui	d138	,613 ¢	gal
			Tota	al prop	1220	sx (S	tage 2	2) GPI	M337	7, PSI	900, ISII	P93	0 Tot	al fluid	I86	6,088 ga	ıl		
			Tota	al prop	1300	SX													
29. ENCLOSED AT	TACHMENTS:															30. WE	L STATU	S: ,	
ELECTI	RICAL/MECHA	ANICAL LO	ogs					GEOLOGI	C REPOR	- I	DST REPORT	- [	DIREC	TIONAL S	I IDVE	<u>,</u>   6	nyt	:Ir	`
一	RY NOTICE FO			O CEMENT	r Verifica	TION	$\equiv$	CORE AN		$\equiv$	OTHER:	L			j.	DEC	MO	占	
				) E C	FIV/	ED.									ķ.	TIEL	CIV.	ロリ	
(5/0000)				ILU	Seen I W	Exam Series	,,,,		-n a					;	*:- *:-	nct	192	กกร	
(5/2000)				NOV	052	2007	(CO	NIINUE	ED ON E	sack)				,	et (	JU 1		901	

DIV. OF OIL, GAS & MINING

DIV. OF OIL, GAS & MINING

31. INITIAL PRO	DOUCTION					INT	ERVAL A (As sho	wn in item #26)						
DATE FIRST PR	ODUCED:	TEST DA				HOURS TESTER	D: _	TEST PRODUCTION	OIL - BBL:	GAS MCF:	WATER -	- BBL:	PROD. METHOD:	
10-1-2	700	10-	1-2	2007		1 2	4	RATES: →		1 11	1 45	4	Floust	
CHOKE SIZE:	TBG. PRESS.	CSG. PR		API GRA	VITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS:	
						INT	ERVAL B (As sho	wn in item #26)					<u> </u>	
DATE FIRST PR	ODUCED:	TEST DA	TE:			HOURS TESTED		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG. PR	ESS.	API GRA	VITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS:	
						INT	ERVAL C (As sho	wn in item #26)						
DATE FIRST PR	ODUCED:	TEST DA	TE:			HOURS TESTED		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF;	WATER-	- BBL:	PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG. PR	ESS.	API GRAV	VITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL ~ BBL:	GAS - MCF:	MCF: WATER BB		: INTERVAL STATUS:	
				<u> </u>		INT	ERVAL D (As show	wn in item #26)			<u> </u>			
DATE FIRST PR	ODUCED:	TEST DA	TE:			HOURS TESTED	D;	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG. PR	ESS.	API GRAV	VITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS MCF:	WATER -	- BBL:	INTERVAL STATUS:	
32. DISPOSITIO	N OF GAS (Solo	l, Used for F	uel, Ve	nted, Etc.)			-				<u> </u>		1	
33. SUMMARY	OF POROUS ZO	NES (Includ	e Aquif	ers):				1:	34. FORMATION	(Log) MARKERS:				
Show all importar tested, cushion u							n tests, including de	1						
Formatio	on	Top (MD)		ttom MD)		Descrip	tions, Contents, etc	<b>.</b> .		Name		Top (Measured Depth)		
Ferron  35. ADDITIONAL								2.715						
36. Thereby cer	tify that the fore	going and	uttached	linformatic	on is co	mplete and corre	ort as determined	from all available rec	orde					
50	y unut uic iOle	gonig and a		a mornialli	on 15 GC	mpiete and coffe	ы аз ченниней	non an avallable rec	orus.					
NAME (PLEASI	E PRINT) Ke	vin McIr	ityre					TITLE Perr	nitting Spe	ecialist				
SIGNATURE_		<u></u>	m		0			10/1	5/2007					

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<sup>\*</sup> ITEM 20: Show the number of completions if production is measured separately from two or more formations.

### **Operation Summary Report**

Well: NORTH BENCH FED 33-33

Project: UTAH

Site: CARBON

Rig Name No:

Event: DRILLING

Start Date: 5/7/2007

End Date: 5/30/2007 Spud Date: 5/26/2007

Active Datum: RKB @6,248.0ft (above Mean Sea

UWI: NORTH BENCH FEDERAL 33-33

Level)					,		
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From Operation
5/26/2007	5:30 - 10:00	4.50	MOB	01	Α	Р	MIRU Pense Bros. Drilling Rig #18
	10:00 - 11:30	1.50	DRILL	02	Α	Р	PU 15" hammer drill & spud, drill to 83.66
	11:30 - 13:30	2.00	DRILL	02	Α	Р	Run 13 3/8 conductor
	13:30 - 14:30	1.00	DRILL	15	Α	Р	cement 13 3/8 conductor
	14:30 - 17:30	3.00	DRILL	12	В	Р	wait on cement
	17:30 - 19:00	1.50	DRILL	02	Α	P	PU 11" hammer drill & drill surface to 355
	19:00 - 20:30	1.50	DRILL	05	Α	Р	POOH w/ drill pipe, prep to run surface pipe
	20:30 - 22:00	1.50	DRILL	05	D	Р	PU & TIH w/ 345' 8 5/8 surface pipe.
	22:00 - 0:00	2.00	DRILL	15	Α	P	MIRU Superior & cement surface csg
5/27/2007	0:00 - 1:00	1.00	DRILL	15	Α	Р	complete cementing & RD superior
	1:00 - 5:00	4.00	DRILL	12	В	Р	wait on cement to cure
	5:00 - 8:30	3.50	DRILL	13	Α	Р	cut off csg & install surface csg flange
	8:30 - 11:00	2.50	DRILL	13	Α	Р	NU BOPE, choke manifold
	11:00 - 14:00	3.00	DRILL	13	С	Р	Test BOPE, test ok, csg test shows a small leak off at 1600 psi.
	14:00 - 20:30	6.50	DRILL	13	С	Х	Locate cross overs & pkr to test csg & get to location
	20:30 - 21:00	0.50	DRILL	13	В	Х	MU & TIH w/ arrowset pkr dressed for 8 5/8 - 24# pipe and set at 300' in 45,000 tension
	21:00 - 21:30	0.50	DRILL	13	С	X	PSI test 8 5/8 csg to 2000 PSI, held solid for 30 min
	21:30 - 22:00	0.50	DRILL	05	Α	Х	Release pkr at 300' & pooh. Lay down pkr
	22:00 - 0:00	2.00	DRILL	02	Α	Р	RU diverter can & blow line, PU 7 7/8 hammer drill
5/28/2007	0:00 - 1:00	1.00	DRILL	02	Α	Р	Drill ahead F/ 355 to 500'
	1:00 - 1:15	0.25	DRILL	09	Α	P	survey - 1 1/2 degrees
	1:15 - 5:00	3.75	DRILL	02	Α	P	Drill ahead F/ 500 to1200'
	5:00 - 5:15	0.25	DRILL	09	Α	Р	survey at 1135- 2.0 degrees
	5:15 - 8:00	2.75	DRILL	02	Α	P	Drill ahead F/1200 to 1525'
	8:00 - 8:15	0.25	DRILL	09	Α	Р	survey at 1500' - 2 1/4 degrees
	8:15 - 11:00	2.75	DRILL	02	Α	P	Drill ahead F/1525 to 2005'
	11:00 - 15:30	4.50	DRILL	02	Α	P	Drill F/ 2005 to 2550'
	15:30 - 15:45	0.25	DRILL	09	Α	P	survey 2 1/2 degrees at 2500
	15:45 - 17:30	1.75	DRILL	02	Α	Р	Drill F/ 2550 to2785'
	17:30 - 20:30	3.00	DRILL	05	Α	Р	POOH & LD Hammer drill
	20:30 - 0:00	3.50	DRILL	05	Α	Р	PU tricone BHA & TIH
5/29/2007	0:00 - 5:30	5.50	DRILL	02	Α	Р	Drill F/ 2785 to 3150, TD at 05:30
	5:30 - 7:00	1.50	DRILL	02	Α	Р	Blow hole clean
	7:00 - 9:00	2.00	DRILL	04	С	P	Load hole w/ produced water, took 450 bbls
	9:00 - 12:30	3.50	DRILL	05	В	P	POOH & LD drill pipe loading hole w/ 60 bbls every 600 feet
	12:30 - 19:00	6.50	DRILL	80	Α	Р	RU Loggers, Log well, RD loggers
	19:00 - 23:00	4.00	DRILL	05	D	Р	PU shor, 1 jt, Float collar & TIHw/ 5 1/2.MU DV tool & insert in string, TIH w/ 5 1/2 csg
	23:00 - 0:00	1.00	DRILL	15	Α	P	MIRU cementers
5/30/2007	0:00 - 2:00	2.00	DRILL	15	Α	Р	RU cementers
	2:00 - 3:30	1.50	ĎRILL	15	Α	Þ	Pump 1 stage146 sx, bumped plug at 500 psi to 1500 psi, dropped bomb, open DV, break circulation, pump 27 bbls

10/11/2007 8:19:48AM

### **Operation Summary Report**

Well: NORTH BENCH FED 33-33

Project: UTAH Site: CARBON Rig Name No:

Event: DRILLING Start Date: 5/7/2007 End Date: 5/30/2007 Spud Date: 5/26/2007 UWI: NORTH BENCH FEDERAL 33-33

Active Datum: RKB @6,248.0ft (above Mean Sea

Level)								
Date		Time art-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From Operation (ft)
	3:30	- 4:00	0.50	DRILL	15	Α	Р	shut down, switch to rig pump, pumped 100 bbls in 15 minutes, did catch circulation
	4:00	- 5:30	1.50	DRILL	15	В	Р	Switch back to Cementers, pump 300 bbls at 8 bpm, with one attempt at 10-12 bpm, did not break circulation, ran out of water, 200 bbls fresh water on cement job, lost 400 bbls after the job attempting to break circulation.
	5:30	- 9:30	4.00	DRILL	12	Α	Х	Waiting orders
	9:30	- 10:30	1.00	DRILL	04	D	Х	Break circulation w/90 bbls , 5 bpm
	10:30	- 11:30	1.00	DRILL	15	Α	Р	cement 2nd stage 212 sx5 bpm,bump plug 550, close DV tool 2650, shut down, floats hold
	11:30	- 12:30	1.00	DRILL	13	Α	Р	set slips, ND BOP, release rig

10/11/2007 8:19:48AM

2

### **Operation Summary Report**

Well: NORTH BENCH FED 33-33

Project: UTAH

Site: CARBON

Rig Name No:

Spud Date: 5/26/2007

Event: COMPLETION

Start Date: 7/7/2007

End Date: 9/30/2007

Active Datum: RI	≺B @6,2		ove Mean Sea	Oldit Date	1	*****		EDERAL 33-33	Spud Date. 3/20/2007
Date		Time art-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
7/7/2007	6:00	- 15:00 - 15:00	9.00	COMP	31	J	P P	eerkan kesadan A. Y. Sangaran Sa	MIRU; CHECK WELL NO PRESS. BREAK DOWN WELL HEAD, ETC. STRIP ON BOP. POOH LAYING DOWN 2.87" TBG, 90 JTS ETC. STRIP OFF BOP. PUT COVER OVER OPEN WELL BORE. RDMO FINAL REPORT UNTIL REMAINING
9/17/2007		-		SUSPEN	33	D	Р		COMPLETION. SUSPEND WELL FOR FURTHER COMPLETION
9/27/2007	7:00	-		COMP	33 46	D	P P		SET UP PUMP, CHECK VALVES, ETC. HOLD SAFETY MEETING ON PRESS TESTING VALVES & LINES. POSITIONS OF PROPER PPE. HOLD UP TO CSG VALVE - PRIME PUMP. FILL CSG & PRESS TEST CSG & FRAC VALVES TO 3000#. VALVE CHECKED, CLOSE WELL IN; RDMO PREP FOR COMPLETION RIG
				COMP	36	В	P		MIRU PHONENIX WIRELINE - SAFETY MEETING; RIH WI PERFORATION GUN, SHOOT PERFS @ 2786' TO 2816' 12 SPF; POOH W/ GUN. MIRU; SUPERIOR FRAC EQUIPMENT - SAFETY MEETING; PUMP 1st STAGE FRAC. RIH W/ PERF GUN AND CIBP; SET CIBP @ 3,038' - PRESSURE TEST PLUG TO 4,000 PSI. SHOOT PERFS @ 2,986' - 3,003' AND 2,942' - 2,966'. POOH W/ GUN; STAGE 1 FRAC: AVG PRESS: 1,570 PSI AVG RATE: 74 BPM MAX PESS: 2,380 PSI MAX RATE: 83.3 BPM BREAK DOWN PRESSURE 850 PSI @ 5 BPM INITIAL ISIP: 900 PSI INITIAL ISIP: 900 PSI INITIAL FG .75 PSI/FT FINAL ISIP: 1,675 PSI FINAL FG 1.03 PSI/FT TOTAL FLUID 138,613 GALLONS TOTAL PROP 1,220 SACKS - 710 SACKS RIH W/ PERF GUN AND CIBP, SET CISP @ 2,760' PRESS TEST TO 4,000 PSI.SHOOT PERFS @ 2,686' - 2,733' 3 SPF. POOH W/ PERF GUN - RDMO PHOENIX STAGE 2 FRAC: AVG PRESS: 1,950 PSI AVG RATE: 79 BPM MAX PESS: 2,400 PSI MAX RATE: 80.4 BPM BREAK DOWN PRES 1,100 PSI @ 1 BPM INITIAL ISIP: 900 PSI INITIAL ISIP: 900 PSI INITIAL FG .77 PSI/FT FINAL ISIP: 930 PSI FINAL FG .78 PSI/FT TOTAL FLUID 86,088 GALLONS TOTAL PROP 1300 SACKS OF 30/50 WHITE STG 1 PROPPANT (1100 SACKS 30/50 WHITE, 120 16/30 WHITE) STG 1 PROPPANT (1100 SACKS 30/50 WHITE, 200 16/30 WHITE)

10/11/2007

8:19:31AM

### **Operation Summary Report**

Well: NORTH BENCH FED 33-33

Project: UTAH Site: CARBON

Rig Name No: Start Date: 7/7/2007 End Date: 9/30/2007 Spud Date: 5/26/2007

Event: COMPLETION Active Datum: RKB @6,248.0ft (above Mean Sea UWI: NORTH BENCH FEDERAL 33-33

Date	80P80181-1-100088	Time art-End	Duration (hr)	Phase	Code	Subco de2	P/U MD Fr	om Operation
9/29/2007	7. 400 <b></b>	- 7:00	0.00	COMP	30	A	P	MIRU; CHECK WELL FOR PRESS. REMOVE FRAC VALVE & CHG CSG VALVES. INSTALL BOP - MADE UP 4.75" BIT & BIT SUBS. TALLY & PICK UP 2.87" TBG. RIH - CLEAN OUT SAND, ETC. AFTER FRAC. TAG SAND @ 2,720'. DRILL OUT POLUG @ 2,750' - CLEAN OUT TO PBTD @ 2,988'. RIG DOWN DRLG EQUIP. POOH W/ 2.87" TBG, ETC. LAY DOWN BIT ETC. CHG EQUIP - START RIH W/ PROD TBG ETC., 2.37" N/P JT., 4 JTS 2.37" TBG, 5.5" LH SET TAC, X-OVER 1 JT
9/30/2007	7:00	- 19:00	12.00	COMP	30	A	P	2.87" TBG, PSN, 2.87" TBG. SDFN BLEED PRESS OFF WELL - CONTROL - CON'T RIH W/ PROD TBG, ETC. RIG UP FLOOR. STRIP OFF BOP, SET TAC @ 2,706.76', PSN @ 2,672.28', EOT @ 2,850.35', LAND ON CAMERON KTH FLANGE W/ 20,000# TENSION ON TBG. PUT WELL HEAD ETC. TOGETHER. FLUSH TUBING. PICK UP TEST ROD PUMP. RIH W/ PUMP, 2187", 6675", 1887" RODS ALL W/GUIDES, 1-8', 1-6' & 2-2'x.87" PONY RODS, POLISH RODS, SPACE OUT SEAT PUMP. FILL TBG. STROKE TEST TO 1000#, HELD. GOOD PUMP ACTION. HANG OFF RODS. LAY DOWN RIG, LOAD EQUIP. START WELL PUMPING; SDFN
	19:00	- 19:00	0.00	COMP	50		Р	SUMMARY: MIRU; CLEAN OUT WELL AFTER FRAC - PUT ON PRODUCTION - PUMP TTL 650 BBL'S WTR; RDMO
	19:00	- 19:00	0.00	RDMO	50		Р	FINAL REPORT

10/11/2007 8:19:31AM 2

### FORM 9

### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL GAS AND MINING

Γ	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-80557										
SUNDRY	SUNDRY NOTICES AND REPORTS ON WELLS										
Do not use this form for proposals to drill no drill horizontal la	ew wells, significantly deepen existing wells below current terals. Use APPLICATION FOR PERMIT TO DRILL form	t bottom-hole depth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:								
TYPE OF WELL     OIL WELL	8. WELL NAME and NUMBER: North Bench Federal 33-33										
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas On	shore LP		9. API NUMBER: 4300731043								
3. ADDRESS OF OPERATOR:	Denver STATE CO ZIP 80	PHONE NUMBER: (720) 929-6226	10. FIELD AND POOL, OR WILDCAT: Cardinal Draw								
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1668 F			COUNTY: Carbon								
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: NWSE 33 13S 11E	Ē	STATE: UTAH								
11. CHECK APPF	ROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPO	ORT, OR OTHER DATA								
TYPE OF SUBMISSION		TYPE OF ACTION									
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION								
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL								
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON								
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR								
✓ SUBSEQUENT REPORT	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE								
(Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL								
Date of work completion:	CHANGE WELL STATUS	<u>-</u>	WATER SHUT-OFF								
	COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE	RECLAMATION OF WELL SITE  RECOMPLETE - DIFFERENT FORMATION	☐ OTHER:								
	MPLETED OPERATIONS. Clearly show all pert										
	on of 11 MCFd on 10/1/2007										
Varies Mal		Develope									
NAME (PLEASE PRINT) Kevin McI	ityre	TITLE Regulatory Anal	ysı								
SIGNATURE	mo	11/9/2007									

(This space for State use only)

RECEIVED